

# OYAP: Brick and Stone Masonry



## ONTARIO YOUTH APPRENTICESHIP PROGRAM:

Students will be integrated with regular college apprentices to earn their Level 1 Apprenticeship. This includes alternate delivery in TEAMS and in-person shop time.

**CAMPUS:** Kingston

**SEATS:** 2 Student from a surrounding high school will participate

**DURATION:** 8 weeks from February 7th to April 1<sup>st</sup>, 2022

## CREDITS EARNED:

- MTCU LEVEL 1 APPRENTICESHIP – CODE: **401A**
- 2 SECONDARY SCHOOL MINISTRY DUAL CREDITS – CODE: **TSZ4Y**
- 5 COLLEGE CREDITS – TOTAL OF 240 HOURS

## COLLEGE CREDITS INCLUDE:

### MASN 110 - Tools and Equipment 1

The successful completion of this course enables the apprentice to apply the theoretical training in being able to explain and demonstrate the use and maintenance of hand tools and equipment according to manufacturer/employer direction and accepted trade practice, explain and demonstrate the use of power tools and equipment according to manufacturer and accepted trade practice and use and maintain measuring and layout tools according to manufacturer instructions and accepted trade practice.

### MASN 111 – Materials and Safety Equipment

This course provides the student with the information required for the safe use of scaffolds, personal protection devices, and the Ontario Construction Safety Association's safety in rigging program. Students will study the *Occupational Health and Safety Act* of Ontario and the requirements of the workplace.

### MASN 112– Engineering, Building, and Safety Code 1

Upon successful completion, the apprentice is able to demonstrate how to interpret architectural drawings, specifications, schedules, contract documents, building codes, CSA masonry standards, safety codes; solve trade-related math problems, and estimate materials for masonry jobs to an acceptable standard within the masonry industry.

### MASN 113 – Worksite Preparation

The successful completion of this course enables the apprentice to apply the theoretical training in being able to explain how to prepare a worksite so that the worksite is organized and safe to work according to employers and safety regulations. The apprentice will be able to set up a worksite and demonstrate worksite communications correctly.

### MASN 114 – Acclimatize Worksite

Upon successful completion, the apprentice is able to demonstrate how to acclimatize a worksite to suit various weather conditions according to safety regulations, building codes, and CSA A371.

### **MASN 115 – Clean and Disassemble Worksite**

Upon successful completion, the apprentice is able to demonstrate how to clean and disassemble a worksite in accordance with safety regulations and accepted work practices.

### **MASN 116 – Wall Systems Accessories 1**

The successful completion of this course enables the apprentice to explain details about wall system accessories and also how to install according to code and other common standards.

### **MASN 117- Mortar 1**

Upon successful completion, the apprentice is able to demonstrate how to select, prepare, and apply mortar according to building codes, manufacturer instructions, and building specifications.

### **MASN 118 – Masonry Unit Preparation 1**

Upon successful completion, the apprentice is able to explain the use of masonry units and how to prepare them for installation according to manufacturers' recommendations, contract documents, and accepted trade practices.

### **MASN 119 – Job Layout 1**

The successful completion of this course enables the apprentice to apply the theoretical training in being able to locate reference line (building line) on-site according to blueprints and other available reference points and codes layout wall or surface lines and heights according to blueprints, gridlines, and benchmarks, locate, match and select masonry units from contract documents or find the unit customer ordered, layout masonry walls or floors, spacing units correctly and in the right bond to the right gauge according to building codes, CSA standards, contract documents, and accepted work practices and layout openings, utilities, accessories and expansion/control joints according to building codes, CSA standards and accepted masonry practice.

### **MASN 120 – Structural Masonry 1**

The successful completion of this course enables the apprentice to apply the theoretical training in being able to build a foundation and retaining walls in a timely and orderly manner according to building codes, standards, contract documents, blueprints, and accepted work practice, build walls, beams, lintels and piers in a timely and orderly manner according to building codes, standards (CSA A371), contract documents, blueprints and accepted work practice, build arches, vaults and domes in a timely and orderly manner according to building codes, contract documents, and blueprints as well as accepted work practice.

### **MASN 121 – Non-Structural Masonry 1**

The successful completion of this course enables the apprentice to apply the theoretical training in being able to install the following in a timely and orderly manner according to building codes, contract documents, blueprints, and accepted trade practice:

- install stone cladding
- build prefabricated masonry units
- parge masonry
- install unit masonry pavers

**All students must have steel-toe safety boots to participate in this program.**

**SLC ORIENTATION DATE: TBD**

**IMPORTANT DATES: Winter Semester**

**February 7, 2022**

First day of classes @ SLC

**PA DAYS:** During scheduled board PA days, St. Lawrence College classes are still in session.

You are expected to attend if you have an SLC class scheduled on this day.

**MARCH BREAK:** In apprenticeship you will not be able to take this time off as it would be 1 week out of your 8 weeks.

**SLC.ME – APPLYING TO GRADUATE:**

Students in Level 1 Apprenticeship programs must apply to graduate through SLC.me after successful completion of their college courses. If students apply to graduate they will receive a certificate from St. Lawrence College in the mail (*please ensure your address is current and correct with the Dual Credit/PASS office*). When students complete their Level 3, students can apply to graduate and attend the convocation ceremony.

**FOR MORE INFORMATION:**

**Website:** [stlawrencecollege.ca/dualcredit](http://stlawrencecollege.ca/dualcredit)

**Email us at:** [DualCredit@sl.on.ca](mailto: DualCredit@sl.on.ca)

**IN PARTNERSHIP WITH:**



*SCWI/PASS / St. Lawrence College / Algonquin Lakeshore Catholic District School Board / Catholic District School Board of Eastern Ontario / Limestone District School Board / Upper Canada District School Board*