

# MASONRY (MSRY)

This is a list of the Masonry (MSRY) courses available at KPU.

## **MSRY 1001** **1.5 Credits**

### **Masonry History and Communication**

Students will describe the evolution of the bricklaying trade and will identify major historical architecture. They will know the role of the apprentice, business and labour organizations, and will recognize the responsibilities of employers and employees. Students will also learn to identify employability and leadership skills required in the bricklaying industry.

## **MSRY 1005** **2.5 Credits**

### **First Aid and Safety in the Masonry Trade**

Students will demonstrate the operation of forklift equipment and concrete fasteners and powder-actuated tools. They will be familiar with Workers' Compensation and WHMIS standards and procedures. Students will be able to describe recommended working and safety practices in the masonry trade and will complete a certificate in first aid.

*Prerequisites: MSRY 1001*

## **MSRY 1010** **3 Credits**

### **Materials in the Masonry Trade**

Students will describe and demonstrate the storage, mixing and application of the five types of mortar with respect to type of brick and block. They will identify the characteristics of mortar, brick and block. Students will demonstrate the construction of masonry units, and will describe the development of mortar.

*Prerequisites: MSRY 1005*

## **MSRY 1015** **2 Credits**

### **Mortar, Grout, Layout and Construction in Brick Masonry**

Students will demonstrate the appropriate use of mortar and grout in the layout and construction of projects. They will use the appropriate blocks, stone, and bricks in layout and projects, and will identify employability and leadership skills required in the bricklaying industry.

*Prerequisites: MSRY 1010*

*Co-requisites: MSRY 1120 MSRY 1120*

## **MSRY 1020** **3 Credits**

### **Hand Tools**

Students will demonstrate competent use and handling of hand tools in the brick masonry trade, including, levels, jointers, slickers, hand saws, mash hammers and chisels, pointing trowels, line pins and masonry line. They will also demonstrate safe procedures in the handling of hand tools.

*Prerequisites: MSRY 1015*

## **MSRY 1025** **3 Credits**

### **Power Tools and Related Equipment**

Students will demonstrate use and handling of power tools including masonry saws, cement mixers, power handsaws, grinders, power jointers, vibrators, compactors, and palette jacks. They will also demonstrate safe and effective procedures in the erection and dismantling of scaffolding.

*Prerequisites: MSRY 1020*

## **MSRY 1030** **1 Credits**

### **Basic Blueprint Reading, Estimating and Layout**

Students will demonstrate the ability to interpret building codes and symbols used in the brick masonry trade. They will also demonstrate their understanding of terminology and construction drawings to a level where they can proceed with the layout to complete a project.