The Brewing Science and Service Certificate Program is to provide graduates with necessary educational coursework and skills to enter into the varied employment opportunities in the industry.

**BREWING SCIENCE AND SERVICE**

**Degree:** Certificate  
**HEGIS Code:** 5404  
**Curriculum Code:** 2459.BSS  
**Campus Location:** North  
**Business & Public Service Division**

**Program Description**

The goal of the Brewing Science and Service Certificate Program is to provide graduates with necessary educational coursework and skills to enter into the varied employment opportunities in the industry. The curriculum will prepare graduates for employment in the expanding brewing, microbrewing, and brewpub industries. Hands-on training along with theoretical courses will enhance student knowledge in this specialized field, which includes: brewing technology, operations, sales and management, and advanced beer-related or brewery-related business sectors.

**Program Competencies**

- Demonstrate the technical skills necessary to manage a brewing operation at entry-level of brewer/manager.
- Demonstrate an understanding of the laws that regulate the brewing industry.
- Apply sanitation fundamentals and safety regulations as they apply to the brewing industry.
- Apply fundamental knowledge of beer ingredients and recipes.
- Demonstrate technical skills needed to brew beer.
- Determine qualities of specific types and styles of beer.
- Demonstrate an understanding of tasting, judging, and evaluating beer.
- Demonstrate computer literacy pertaining to the brewing industry.

**SPECIAL Admissions Requirements/Prerequisites**

Student must successfully complete HR125, HR126, HR127, HR128 and HR129 before taking HR132.
CURRICULUM
Total Degree Credits: 31.0

First Semester
HR 125 Introduction to Brewing Beer (3 cr)
HR 126 Brewing equipment (3 cr)
HR 127 Brewing Ingredients (2 cr)
HR 128 Sensory Evaluation of Beer (3 cr)
HR 129 Chemistry of Brewing Beer (3 cr)

Second Semester
HR 130 Microbiology of Brewing Beer (3 cr)
HR 131 Basic Practical Brewing (3 cr)
HR 132 Brewing Internship-Field Experience (6 cr)
HR 136 Sanitation (2 cr)
BU 140 Introduction to Business (3 cr)