

# Minnesota State College Southeast

## **BIRT 1110: Brasswind Repair Fundamentals**

### **A. COURSE DESCRIPTION**

Credits: 4

Lecture Hours/Week: 2

Lab Hours/Week: 4

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the basics of brasswind repair, including nomenclature, chemical flushing, porting procedures, common dent removal, the straightening and alignment of parts, soft soldering and spot finishing. The trumpet will be used to learn a majority of these repairs, though larger brasswinds may be included for the advancing student. Aspects of a safe work environment as well as instrument inspection, repair and invoicing are also included. Grading is based on project evaluation and written tests. (Prerequisite: None) (4 Credits: 2 lecture/2 lab)

**B. COURSE EFFECTIVE DATES:** 05/04/1998 - Present

### **C. OUTLINE OF MAJOR CONTENT AREAS**

1. Brass instrument nomenclature
2. Brass instrument construction
3. Intro to common brass instrument maintenance
4. Intro to common brass instrument repairs

### **D. LEARNING OUTCOMES (General)**

1. Using the trumpet as a focus, the student will learn:
  - a. shop safety
  - b. instrument and band instrument repair tool nomenclature
  - c. disassembly, assembly and chemical cleaning procedures applying knowledge of materials and finishes
  - d. soldering fundamentals
  - e. dent removal fundamentals
  - f. shop operations such as instrument check-in, repair tag writing and invoicing
  - g. straightening and aligning commonly bent parts
2. By completing projects on time, following BIR rules and policies regarding tardiness, absences, quiz/exam make-up, by using tools and facilities appropriately and safely, and by interacting with instructors and peers professionally, the student will learn:
  - a. Employer expectations related to day-to-day operations
  - b. How to succeed on a bench test
  - c. How to advance in the work place

### **E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted