

## **Bellingham Technical College – Articulated Course Options Updated for 2009-10**

The following BTC welding courses can be used to satisfy the elective requirement in the 2<sup>nd</sup> year of the welding program. High school students can earn up to 12 college credits through the Tech Prep program. To earn college credit, student must achieve a B or better grade in the high school Metals Technology course and successfully demonstrate their skill by completing the colleges Assessment Record. The Assessment Record should be kept in the student's portfolio. Make sure the Record includes the high school instructor's signature & date of competency completion. College credit can only be earned and transcribed during the same year the course is taken and completed at the high school.

### **WLD 216 - SMAW Practices (2 credits)**

SMAW process using E6010 Electrodes in the 1F, 2F, and 3F positions. Focus is skill development for the beginner or advanced welder.

### **WLD 218 – SMAW Practices II (2 credits)**

SMAW process using E7018 Electrodes in the 2F, 3F, and 4F positions. Focus is skill development for the beginner or advanced welder.

### **WLD 223 – GMAW Practices (2 credits)**

GMAW process in 2F and 3F up positions on 1/4" steel plate for the beginner or advanced welder.

### **WLD 225 - GMAW Aluminum Practices (2 credits)**

GMAW aluminum welding practices in the 2F and 3F positions on various thickness of aluminum for the beginner or advanced welder.

### **WLD 243 – GTAW Steel Practices (2 credits)**

GTAW process in 2F and 3F positions on sheet metal for the beginner or advanced welder.

### **WLD 246 - GTAW Aluminum Practices (2 credits)**

GTAW Aluminum welding practice in 2F and 3F positions on 1/8" aluminum plate.

**NOTE:** *one college credit in welding is equal to approximately 15 hours of welding practice time in the shop/lab experience.*