Intro To Welding For Machinists is a 1-credit course for Manufacturing majors designed to allow the student the opportunity to develop the welding skills necessary to accomplish basic welding tasks typically encountered by the machinist in the workplace including the building up of worn surfaces for subsequent turning, milling, or other machining operations. Lecture and Lab topics will include safety, setup and operation of commonly-used welding processes, base metal weldability considerations, filler metal selection, and minimizing warpage and distortion.

1. Required Items furnished by the students:
   - Safety Glasses with side shields*
   - Leather welding gloves with long gauntlet sleeves
   - HIGH TOP Hard Top Boots (no tennis shoes)
   - Suitable clothing that is non-flammable
   - Notebook or folder with paper for taking notes
   - Optional but recommended: Ear plugs

   *Note: Safety glasses are required to be worn all times in the shop, including under welding helmets, goggles, and face shields.

2. Lectures:
   Information on welding and related subjects will be presented in classroom sessions.

3. Lab Exercises:
   Lab exercises will include use of the Shielded Metal Arc Welding process and introduction to commonly-used wire-feed welding processes, weld padding exercises, and an introduction to fillet welds on T-Joints.

4. Grading:
   Grading is based on:
   - Evaluation of skill competency on lab assignments (Progress cards)…. 50%
   - Attendance and proper use of class time….40%
   - Quizzes and / or Exams….. 10%

   **Student Grade Options Available for this course:**
   - A through F Letter Grade basis
   - Pass / No Pass (P/NP) basis
   - Audit

5. Tardies:
   One point will be subtracted each time the student is tardy.
6. Work Ethic, Productivity, Attitude, and Industriousness:

Students are expected to maintain a professional attitude and work ethic regarding their hands-on skills training each day while in this class. This includes being a self-starter, a team player, following instructions, being willing to adapt, maintaining a receptive attitude towards learning, utilizing welding time for the purpose that it is allotted for, properly adhering to break and cleanup times, and not leaving early. Text-messaging, use of laptops, use of cell phones, use of stereos, use of radios, listening to music on earbuds, or use of similar devices this term during welding time is prohibited. The instructor reserves the right to drop the final grade for the term without notice by one complete grade level per occurrence. The instructor reserves the right to prohibit the use of any device during class time which the instructor deems to be a distraction to the student or of others.

7. Breaks and Clean Up:

The instructor will announce break time at each class session. The student is expected to return from break on time and ready to resume work. Students returning late from break will be marked tardy.

The instructor will announce clean-up time at the end of each class session, and then this procedure should be followed:

- Shut down the welding equipment you are using
- Return any tools used to the proper area
- Return unused steel to the proper storage
- Place welded pieces in the scrap container (cool if necessary)
- Return welding rods over 2” in length to the proper box or tray in the storage rack
- Sweep off table top in welding booth, and place welding stool on table.
- Sweep floor of welding booth and aisle area and put stubs and slag in metal garbage can

The student is free to go after completing these procedures.

8. Safety:

The student is responsible to follow all safety rules and shop procedures, and to perform all tasks in a safe and conscientious manner. This includes wearing the required safety items (safety glasses, hard top boots, etc.) during the lab time.

NOTE: The instructor will verbally warn the student when required safety items are not being worn in the shop, or when safety procedures are not being followed. Upon the third verbal warning, the student will be withdrawn from the course by the instructor.
**Disabilities Services and Emergency Planning – Meet with Instructor Week One**

If you have emergency medical information for your instructor, need special arrangements to evacuate campus, or have a documented disability, please meet with your instructor, by appointment, no later than the first week of the term, to discuss your needs. If you have a documented disability that will impact you at college and you seek accommodations, contact the Office of Disability Services (ODS) for intake and to document your disability with LBCC. Then, each term, at least two to three weeks prior to the start of classes, submit your “Request for Accommodations” form to ODS and pickup instructor letters. ODS may be reached from any LBCC campus/center by email to ODS@linnbenton.edu or by calling 917-4789. Letter pickup is available at each LBCC campus/center.

**LBCC Comprehensive Statement of Nondiscrimination**

LBCC prohibits unlawful discrimination based on race, color, religion, ethnicity, use of native language, national origin, sex, sexual orientation, marital status, disability, veteran status, age, or any other status protected under applicable federal, state, or local laws.

(for further information [http://po.linnbenton.edu/BPsandARs/](http://po.linnbenton.edu/BPsandARs/))