Course Descriptions

**Ag Welding I (Introductory)**
* A-G “G” Elective
This course covers general shop safety, oxygen propane cutting, AC/DC arc welding and oxygen-acetylene welding in flat positions. Welding 1B covers more advanced and job oriented welding processes used in the welding and agriculture fabrication industries. These include: Gas Metal Arc Welding (GMAW) or wire welding, oxygen-acetylene welding, and cutting. The last quarter of the class students will design and fabricate individual projects: Time in class: 40%; time in lab: 60%. *FFA projects and record books are used. Meets district CTE Requirements.

**Ag Welding II (Concentrator)**
* A-G “G” Elective
**Prerequisite:** Ag Welding I
Instruction in both theory and lab application is designed to prepare students for careers related to agriculture construction, repair, operation, and maintenance of equipment used in the agriculture industry. Agricultural mechanics skills, construction, and safety are covered along with electrical systems, cold metal work, and welding technology. FFA projects and record books are used. Meets district CTE Requirements.

**Advanced Welding (Capstone)**
*Optional Butte College Credit
**Prerequisite:** Ag Welding II
Students will learn skills in the areas of welding, sheet metal, light construction, use of tools and equipment and safety. Upon completion, students will be qualified for entry-level jobs in welding, cutting and metal fabrication. Course objectives aim to prepare students for optional AWS Welding Certification training. Students may be placed in internships for related hands-on training. Work-based learning and advanced lab techniques, large FFA projects, and application to industry and real-world settings are emphasized. FFA projects and record books are used.

Note: These templates are designed to help guide students. The order of some classes may vary and individual variation can be applied.