**Amarillo College Curriculum Map Template**

**Division:** Technical Education **Degree/Academic Program(s):** Welding (WELD.CERT; WELD.CERT.BASIC; WELD.MKT.CERT; NDTE.CERT)  
**Person Responsible for Division:** Megan Eikner, Dean **Component Director/Chair:** Kim Hays **Submission Date:** 10 Dec 2015 **Purpose Statement:**

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| **Goal #1:**  **Graduates will demonstrate skills necessary to perform industry qualification. (Critical Thinking Skills)**  **\*\*To graduate students who will demonstrate and apply skills necessary to perform industry-standard qualifications.** | | | | | |
| **Program-Specific Courses** | **PLO #1:**  **Demonstrate Industrial Safety Practices** | **PLO #2:**  **Identify Welding Materials and Interpret Specifications** | **PLO #3:**  **Utilize Codes to Evaluate Metal Working Operations and Perform Corrective Action** | **PLO #4:**  **Plan Welding and Cutting Operation and Select Equipment and Settings** | **PLO #5:**  **Execute Metal Cutting and Joining Operations** |
| **WLDG-1373 Thermal Cutting I** | **I** | **I** | **I** | **I** | **I** |
| **WLDG-1374 Thermal Cutting II** | **D** | **D** | **D** | **D** | **D** |
| **WLDG-1371 Welding Fundamentals** | **D** | **D** | **D** | **D** | **D** |
| **WLDG-1372 Layout & Fab I** | **D** | **D** | **D** | **D** | **D** |
| **WLDG-2372 Layout & Fab II** | **D** | **D** | **D** | **D** | **D** |
| **WLDG-1375 SMAW I** | **I** | **I** | **I** | **I** | **I** |
| **WLDG-1376 SMAW II** | **D** | **D** | **D** | **D** | **D** |
| **WLDG-2379 SMAW III** | **D** | **D** | **D** | **D** | **D** |
| **WLDG-1377 GMAW I** | **D** | **D** | **D** | **D** | **D** |
| **WLDG-1378 GTAW I** | **D** | **D** | **D** | **D** | **D** |

**I = Introduced; D = Developed & Practiced with Feedback; M = Demonstrated at Mastery**