

## **Welding Technology Certificate Program Executive Summary**

This certification program was developed with funds provided by the US Department of Labor Community Based Job Training grant awarded to Barton Community College (BCC) in February, 2009. The purpose of the grant is to provide vocational training to inmates prior to their release from confinement. Welding Technology Certification was selected as one of the four vocational programs to be delivered in fulfillment of the grant objectives. The welding certification program was developed through the Kansas Board of Regents (KBOR) and Technical Education Authority (TEA) program alignment process. The BCC Welding Technology Certificate Curriculum follows the syllabi developed during the alignment process. The aligned curriculum now requires the OSHA 10/30 course. Instructor's in the welding certification program will be trained to instruct OSHA 10/30, in accordance with existing OSHA standards and alignment requirements.

The KBOR approved curricula contains the following required courses:

- Shielded Metal Arc Welding – 3 credit hours
- Gas Metal Arc Welding – 3 credit hours
- Gas Tungsten Arc Welding – 3 credit hours
- Welding Safety/OSHA 10 or 30 – 1-3 credit hours

After discussing the aligned curricula, the BCC Welding Advisory Board recommended adding Blueprint Reading and Cutting Processes to our certificate program. The BCC welding certificate program incorporates the aligned curriculum plus the recommendations of our advisory board, and are set out as follows:

- Blueprint Reading – 3 credit hours
  - Shielded Metal Arc Welding – 3 credit hours
  - Gas Metal Arc Welding – 3 credit hours
  - Gas Tungsten Arc Welding – 3 credit hours
  - Cutting Processes – 3 credit hours
  - Welding Safety/OSHA 10 – 1 credit hour
- Total Credit Hours – 16**

The Welding Technology Certification Program is a core component of the CBJT grant and will provide productive vocational training to a readily available labor force. The training offered can provide the successful participant with a sustainable income in an entry level welding position.