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Plan Code: 2984

This program provides students with the technical competencies required to meet the demands of the metal fabrication industries. It will place added emphasis on Computer Numerical Control (CNC) metal fabrication, design, welding, and advanced manufacturing techniques and help prepare the student for acceptance into apprenticeship in one of the metalworking trades. It will also provide the General Education courses that help build the scope of knowledge and self-confidence that prepare a student for the working environment.

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- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Perform a common sheet metal layout and fabrication project.
- Perform common metal fabrication using power machinery to produce a fabrication project.
- Design and fabricate an advanced sheet metal project involving two different pieces of CNC fabrication equipment.

METAL FABRICATION TECHNOLOGY - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3982

This program prepare students for an entry-level position as a trainee in metal layout, fabrication, welding and installation. It will place added emphasis on Computer Numerical Control (CNC) metal fabrication, design, welding, and advanced manufacturing techniques and help prepare the student for acceptance into apprenticeship in one of the metalworking trades environment.

Program Student Learning Outcomes

- Perform a common sheet metal layout and fabrication project.
- Perform common metal fabrication using power machinery to produce a fabrication project.
- Design and fabricate an advanced sheet metal project involving two different pieces of CNC fabrication equipment.

Program Requirements

Code Number	Course Title	Units
REQUIRED COURSES		
MTFAB 50		

ROBOTIC WELDING AUTOMATION - CERTIFICATE OF ACHIEVEMENT

Plan Code: 3990

This program provides training to gain the technical and applied skills required to perform advanced programming and operational tasks as per the American Welding Society standards and specifications for robotic welding. The program prepares students for jobs in industry including but not k

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