Welding Program
Internationally Accredited Specialized Award

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The SPSP Specialized Award Welding Program is internationally accredited by PAA/VQ-SET and is designed to provide students with a balanced combination of engineering theory and practical hands-on experience. This will ensure that on completion of the Welding Program the student will have the required job entry skills to work within the Petroleum Services industries. Each student will complete the Academic and PEO foundation training prior to covering the Welding Program.
Program Outline
On completion of the Welding Program students will be able to:

- Interpret welding documents and extract information that includes common structural material shapes, symbols and abbreviations.
- Select the appropriate PPE and safely use power tools in the workplace.
- Prepare for butt welding in plate from drawings in the flat, horizontal, vertical and overhead positions using the SMAW processes.
- Safely set-up and use oxy-acetylene equipment for welding and cutting operations.
- Identify stringer bead parts, weld defects and understand the requirements for pre and post heat treatment.
- Safely set-up and operate arc welding equipment to specification.
- Identify fillet weld parts and satisfactorily carry out single and multi-run welds in flat, horizontal, vertical, inclined and overhead positions using shielded metal arc welding processes (SMAW).
- Prepare and set-up a pipe for welding full penetration butt joints in the rotated, horizontal, vertical up and inclined positions to the required standards.
- Safely set-up and carry out welding using the gas tungsten arc (GTAW) and gas metal arc welding (GMAW) techniques and procedures.
- Meet all of the 6G / S01 requirements for certification.

Specialized Award Welding Program Length 980 Hours