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**Core Skills Signposting**

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| **Sector** | Engineering & Advanced Manufacturing |
| **Qualification Title(s)** | SVQ Performing Engineering Operations  at SCQF Level 4 |
| **Developed by** | Enginuity (formerly SEMTA) |
| **Approved by ACG** | 07 July 2021 |
| **Version** | V2 |

## Introduction

Core Skills signposting indicates if there are opportunities within units to develop Core Skills in the workplace to a specified SCQF level. The signposting document should also acknowledge where there are no opportunities to develop Core Skills. This signposting can be used by providers and assessors to plan the development and assessment of Core Skills.

The five Core Skills are:

 Communication

 Information and Communication Technology

 Numeracy

 Problem Solving

 Working with Others

This document signposts opportunities for learners completing the SVQ in Performing Engineering Operations at SCQF Level 4, to use their SVQ evidence towards achieving Core Skills units. The SVQ units are most likely to provide evidence towards Core Skills units at SCQF 4 and 5. The signposting to Core Skills at SCQF level 4 and SCQF Level 5 is summarised in the following tables.

The broad range of skills and knowledge, (eg from planning tasks to checking completed work against specifications) in the SVQ units provides opportunities to produce evidence towards most of the Core Skills. However, these SVQ units are unlikely to generate evidence towards the ICT Core Skill and learners will need other opportunities to produce this.

The signposting shows which SVQ units may generate evidence **towards** a signposted Core Skill. It does not imply the SVQ units provide full coverage of Core Skills. Learners are expected to produce additional evidence, when needed, to achieve their Core Skills.

## **Core Skills Signposting to SCQF Level 4**

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| **SVQ Performing Engineering Operations at SCQF Level 4** | | | | | | |
| **URN** | **Unit title** | **Communication** | **ICT** | **Numeracy** | **Problem Solving** | **Working with Others** |
| **Mandatory units** | | | | | | |
| SEMMAN123-01 | Complying with statutory regulations and organisational safety requirements | **✓** |  |  | **✓** | **✓** |
| SEMPEO103 | Using and communicating technical information | **✓** | **✓** | **✓** | **✓** | **✓** |
| SEMPEO102 | Working efficiently and effectively in engineering | **✓** |  |  | **✓** | **✓** |
| **Optional units** | | | | | | |
| SEMPEO104 | Making components using hand tools and fitting techniques | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO105 | Assembling mechanical components | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO106 | Carrying out pipe fitting activities | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO107 | Using lathes for turning operations | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO108 | Using milling machines | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO110 | Carrying out routine servicing of mechanical equipment | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO112 | Carrying out sheet metal cutting, forming and assembly activities | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO113 | Cutting and shaping platework components | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO114 | Using oxy -fuel gas cutting equipment | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO117 | Using semi-automatic MIG or MAG welding equipment | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO120 | Wiring electrical equipment and circuits | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO123 | Assembling electronic circuits | ✓ |  | ✓ | ✓ | ✓ |

*All signposting refers to* ***SCQF level 4*** *Core Skills - any blanks indicate no opportunity.*

## **Core Skills Signposting to SCQF Level 5**

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| --- | --- | --- | --- | --- | --- | --- |
| **SVQ in Performing Engineering Operations at SCQF Level 4** | | | | | | |
| **URN** | **Unit title** | **Communication** | **ICT** | **Numeracy** | **Problem Solving** | **Working with Others** |
| **Mandatory units** | | | | | | |
| SEMMAN123-01 | Complying with statutory regulations and organisational safety requirements | **✓** |  |  | **✓** | **✓** |
| SEMPEO103 | Using and communicating technical information | **✓** | **✓** | **✓** | **✓** | **✓** |
| SEMPEO102 | Working efficiently and effectively in engineering | **✓** |  |  | **✓** | **✓** |
| **Optional units** | | | | | | |
| SEMPEO104 | Making components using hand tools and fitting techniques |  |  | ✓ | ✓ |  |
| SEMPEO105 | Assembling mechanical components |  |  | ✓ | ✓ |  |
| SEMPEO106 | Carrying out pipe fitting activities | ✓ |  | ✓ | ✓ | ✓ |
| SEMPEO107 | Using lathes for turning operations |  |  | ✓ | ✓ |  |
| SEMPEO108 | Using milling machines |  |  | ✓ | ✓ |  |
| SEMPE0110 | Carrying out routine servicing of mechanical equipment |  |  | ✓ | ✓ |  |
| SEMPEO112 | Carrying out sheet metal cutting, forming and assembly activities |  |  | ✓ | ✓ |  |
| SEMPEO113 | Cutting and shaping platework components |  |  | ✓ | ✓ |  |
| SEMPEO114 | Using oxy -fuel gas cutting equipment |  |  | ✓ | ✓ |  |
| SEMPEO117 | Using semi-automatic MIG or MAG welding equipment |  |  | ✓ | ✓ |  |
| SEMPEO120 | Wiring electrical equipment and circuits |  |  | ✓ | ✓ |  |
| SEMPEO123 | Assembling electronic circuits |  |  | ✓ | ✓ |  |

*All signposting refers to* ***SCQF level 5*** *core skills - any blanks indicate no opportunity.*