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| **Core Skills Signposting** |  |
| **Sector** | Science |
| **Qualification Title(s)** | SVQ Scientific, Technical and Formulation Processing at SCQF Level 6 |
| **Developed by** | Semta |
| **Approved by ACG** | 07 November 2018 |
| **Version** | 1 |

## 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

## Core Skills Signposting

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| --- | --- | --- | --- | --- | --- | --- |
| **Qualification or Suite Title : SVQ Scientific, Technical and Formulation Processing at SCQF Level 6** | | | | | | |
| URN | Unit title | Communication | ICT | Numeracy | Problem Solving | Working with Others |
| SEMLATA  2-02 | Maintain effective and efficient working relationships for scientific or technical activities | √ |  |  |  | √ |
| COGPIO3.13 | Conduct an assessment of risks in the workplace in processing industries operations | √ |  |  |  | √ |
| SEMBIT  307 | Carrying out problem solving activities | √ |  |  | √ | √ |
| **Group A** | | | | | | |
| PROCWP106 | Prepare materials for processing according to  instructions | √ |  | √ | √ |  |
| COGPEM26 | Hand over process engineering plant & equipment | √ |  |  |  | √ |
| COGPIO3.11 | Solving process problems in processing industries operations | √ |  |  | √ |  |
| COGPOLY41 | Contribute to the maintenance of product quality | √ |  |  | √ |  |
| COGPIO3.3 | Prepare for complex processing operation in processing industries operations | √ |  |  |  |  |
| COGPIO3.4 | Control, maintain & restore complex processing operation in processing industries operations | √ |  |  | √ |  |
| COGPIO3.7 | Plan to maintain product Integrity in processing industries operations | √ |  | √ |  |  |
| COGPEM32 | Carry out planned maintenance procedures on mechanical plant and equipment | √ |  |  |  |  |
| COGPEM70 | Adjust instrument and control systems to meet operational requirements | √ |  |  |  |  |
| **Group B** | | | | | | |
| SEMEM304 | Handing over and confirming completion of maintenance activities | √ |  |  |  | √ |
| SEMEM310 | Carrying out condition monitoring of plant and equipment | √ |  |  |  |  |
| SEMEM323 | Carrying out fault diagnosis on engineered systems | √ |  | √ | √ |  |
| SEMEM328 | Carrying out preventative planned maintenance on engineered systems | √ |  | √ | √ |  |
| SEMETS319 | Checking and calibrating process control instrumentation | √ |  | √ |  |  |
| SEMETS351 | Implementing quality control systems and procedures in an engineering environment | √ |  |  | √ |  |
| SEMETS346 | Monitoring engineering activities | √ |  |  | √ | √ |
| SEMETS347 | Producing technical information for engineering activities | √ |  |  |  | √ |
| SEMETS348 | Obtaining resources for engineering activities | √ |  |  | √ | √ |
| SEMETS357 | Carrying out project management of engineering activities | √ | √ | √ | √ | √ |
| SEMBIT302 | Leading effective teams | √ |  |  | √ | √ |
| SEMBIT303 | Applying workplace organisation techniques | √ |  | √ |  | √ |
| SEMBIT305 | Developing visual management systems | √ | √ | √ | √ | √ |
| SEMBIT310 | Carrying out value stream mapping (VSM) | √ | √ | √ | √ | √ |
| SEMBIT316 | Creating standard operating procedures (SOP) | √ | √ | √ |  | √ |
| SEMBIT319 | Applying basic statistical analysis | √ | √ | √ |  |  |
| SEMBIT320 | Applying failure modes and effects analysis (FMEA) | √ | √ | √ |  | √ |
| SEMLAB3-21 | Analysing laboratory samples using chromatography | √ |  | √ |  |  |
| COGLATA2-16 | Following aseptic procedures in the laboratory environment | √ |  |  |  |  |
| COGLATA14 | Prepare scientific or technical samples for testing activities | √ |  |  |  |  |
| COGLATA2-04 | Carry out routine maintenance, cleaning and checking of scientific or technical equipment | √ |  |  |  |  |
| COGLATA2-05 | Maintain stocks of resources, equipment and consumables for scientific or technical use | √ | √ | √ |  | √ |

Footer – **all core skills refer to SCQF level 6 – any blanks indicate no opportunity**