

Group Award Title: Diploma in Engineering: Engineering Manufacturing and Fabrication at SCQF level 7

Group Award Code: GV32 47

SCQF overall credit: Minimum: 165 Maximum: 211

To attain the qualification, candidates must complete **7 Units**. This consists of:

* 3 Mandatory units
* 4 Optional units

Please note the table below shows the SSC identification codes listed alongside the corresponding SQA unit codes. It is important that SQA unit codes are used in all your recording documentation, and when your results are communicated to SQA.

# Mandatory section (three units): Candidates must complete all three units:

| **SQA code** | **SSC code** | **Title** | **SCQF****level** | **SCQF****credits** | **SQA****credits** |
| --- | --- | --- | --- | --- | --- |
| J7JP 47 | SDS0323 | Performing Core Engineering Activities  | 7 | 37 | 1 |
| J7JR 46 | US0194 | Developing Meta-Skills and Personal Practice | 6 | 5 | 1 |
| J7JS 47 | SDS0329 | Understanding the Importance of Environmental Good Practice and Sustainability  | 7 | 12 | 1 |

# Optional group:

## Candidates must complete a further three units from Group A plus one further unit from Group A or Group B (Total: seven units)

## Group A:

| **SQA code** | **SSC code** | **Title** | **SCQF****level** | **SCQF****credits** | **SQA****credits** |
| --- | --- | --- | --- | --- | --- |
| J7K3 47 | SDS0322 | Manufacturing Engineering Assets by Hand | 7 | 32 | 1 |
| J7K4 47 | SDS0324 | Producing Assemblies and Sub-Assemblies | 7 | 36 | 1 |
| J7KE 47 | SDS0320 | Machining Engineering Assets | 7 | 34 | 1 |
| J7KB 47 | SDS0331 | Welding Materials  | 7 | 35 | 1 |
| J7KF 47 | SDS0316 | Fabricating Engineering Assets | 7 | 34 | 1 |
| J7KG 47 | SDS0328 | Starting Up Engineering Processes | 7 | 37 | 1 |
| J7KH 47 | SDS0313 | Controlling Engineering Processes | 7 | 43 | 1 |
| J7KJ 47 | SDS0309 | Closing Down Engineering Processes | 7 | 33 | 1 |
| J7KK 47 | SDS0319 | Joining Materials | 7 | 36 | 1 |

## Group B:

| **SQA code** | **SSC code** | **Title** | **SCQF****level** | **SCQF****credits** | **SQA****credits** |
| --- | --- | --- | --- | --- | --- |
| J7KL 47 | SDS0311 | Conducting Quality Control | 7 | 41 | 1 |
| J7KM 47 | SDS0330 | Using Equipment to Plan and Move Loads | 7 | 31 | 1 |
| J7KT 47 | SDS0308 | Applying Industrial Coatings | 7 | 29 | 1 |
| J7K5 48 | SDS007 | Applying Methods and Principles in Project Management  | 8 | 12 | 1 |
| J7KD 48 | SDS188 | Providing Effective Leadership  | 8 | 16 | 1 |