Sustainability Data Analyst (DAN)

**Learning Pathway: Custom Level 6 Professional Development**

Custom curriculum for DAN at EQF 6

EQF Level 6 | 5.0 ECTS | 2 Learning Units | Work-Based Learning: 40.0% (exceeds 20% minimum)

# Programme Overview

**Role Focus:** ESG data analysis and regulatory compliance

**Target Audience:** Custom professional development programme

**Learning Approach:** EQF Level 6 professional development programme with 5.0 ECTS, combining theoretical knowledge with practical application through structured learning and standardised work-based learning integration.

**Core Tools & Platforms:** Excel, Power BI, ESG databases, TCFD frameworks, GRI standards

# Competence Frameworks Alignment

**GreenComp Framework:** 1.1 Embodying sustainability values, 4.1 Political agency, 4.3 Collective action

## e-CF Framework (Detailed Mapping)

**A.1:** IS and Business Strategy Alignment - Level 2

**A.7:** Technology Trend Monitoring - Level 2

**B.6:** Systems Engineering - Level 1

*Learning outcomes are mapped directly to GreenComp and e-CF framework descriptors*

# Dual Education Model & Work-Based Learning

**WBL Compliance:** 40.0% work-based learning (exceeds minimum 20%)

## Model Implementation

**Minimum Wbl Percentage:** 20

**Employer Partnership:** Mandatory for all programmes

**Workplace Learning:** Integrated throughout curriculum

**Assessment Split:** 70% academic, 30% workplace-based

## Quality Assurance

**Workplace Standards:** Standardised workplace learning environments

**Mentor Qualifications:** Certified workplace mentors

**Assessment Criteria:** Unified workplace assessment standards

**Monitoring Systems:** Regular quality monitoring of WBL delivery

# Flexible Learning Pathways

**Modular Design:** Learning units designed for flexible recombination

**Competence Catalog:** Integrated with competence-based learning unit catalog

**Stackability Options:** Horizontal and vertical stacking supported

**Pathway Flexibility:** Multiple entry and exit points available

# Assessment Framework

**Primary Method:** Professional portfolio

**Work-Based Component:** Workplace project and professional development

**Assessment Components:**

**• Project work:** 50%

**• Case study:** 30%

**• Professional reflection:** 20%

**Rationale:** Standard professional development assessment approach

# Delivery Framework

|  |  |
| --- | --- |
| **Total Contact Hours** | 43 hours |
| **Self-Study Hours** | 31 hours |
| **Work-Based Hours** | 50 hours |
| **WBL Percentage** | 40.0% (exceeds 20% minimum) |
| **Work-Based Learning** | Integrated (dual education model) |
| **Delivery Methods** | Classroom, Online, Workplace, Blended |

# Learning Unit Structure

## Learning Unit 1: Introduction to Digital Sustainability

*This learning unit forms part of the Custom Level 6 Professional Development*

|  |  |
| --- | --- |
| **ECTS Credits** | 0.5 |
| **EQF Level** | 5 (Programme: 6) |
| **Total Workload** | 12.5 hours |
| **Contact Hours** | 4 hours |
| **Self-Study Hours** | 3 hours |
| **Workplace Hours** | 5 hours |
| **WBL Percentage** | 40.0% |
| **Thematic Area** | Foundation |

**Description:** Core sustainability concepts and their intersection with technology systems for digital professionals

### Work-Based Learning Integration

**Employer Partnerships:** Financial services, manufacturing, energy sectors

**Mentor Support:** Workplace mentor assigned for practical guidance

**Workplace Activities:**

• ESG data collection projects

• Regulatory reporting tasks

• Audit support activities

### Learning Outcomes

**Knowledge:** Critically evaluate regulatory compliance requirements for introduction to digital sustainability within professional sustainability practice.

*Framework: GreenComp: 4.1 Political agency*

**Skills:** Innovate Power BI visualisation of introduction to digital sustainability metrics to support organisational sustainability objectives.

*Framework: e-CF: Technology Trend Monitoring - Level 2*

**Competence:** Lead initiatives in regulatory reporting responsibilities for introduction to digital sustainability while ensuring professional standards and stakeholder value.

*Framework: e-CF: Systems Engineering - Level 1*

## Learning Unit 2: Data Analytics for Sustainability

*This learning unit forms part of the Custom Level 6 Professional Development*

|  |  |
| --- | --- |
| **ECTS Credits** | 4.5 |
| **EQF Level** | 6 (Programme: 6) |
| **Total Workload** | 112.5 hours |
| **Contact Hours** | 39 hours |
| **Self-Study Hours** | 28 hours |
| **Workplace Hours** | 45 hours |
| **WBL Percentage** | 40.0% |
| **Thematic Area** | Data |

**Description:** Use data tools to derive actionable sustainability insights

### Work-Based Learning Integration

**Employer Partnerships:** Financial services, manufacturing, energy sectors

**Mentor Support:** Workplace mentor assigned for practical guidance

**Workplace Activities:**

• ESG data collection projects

• Regulatory reporting tasks

• Audit support activities

### Learning Outcomes

**Knowledge:** Formulate data validation methodologies in data analytics for sustainability within professional sustainability practice.

*Framework: GreenComp: 4.3 Collective action*

**Skills:** Transform ESG database management for data analytics for sustainability to support organisational sustainability objectives.

*Framework: e-CF: Systems Engineering - Level 1*

**Competence:** Drive change in audit support activities related to data analytics for sustainability while ensuring professional standards and stakeholder value.

*Framework: e-CF: IS and Business Strategy Alignment - Level 2*

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