Sustainability Data Analysis

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This curriculum prepares learners to conduct comprehensive sustainability data analysis, support complex regulatory compliance requirements, and deliver advanced ESG reporting.

EQF Level 5 | 7.5 ECTS | 3 Modules | Work-Based Learning: 46 hours

# Programme Overview

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

**Target Audience:** Data analysts with foundational experience seeking to specialize in comprehensive sustainability analytics and advanced ESG reporting systems

**Learning Approach:** EQF Level 5 professional development program with 7.5 ECTS, combining theoretical knowledge with practical application through structured learning and workplace integration.

# Assessment Framework

**Primary Method:** Advanced analytical portfolio

**Assessment Components:**

**• Complex data analysis project:** 45%

**• Regulatory compliance case study:** 30%

**• ESG reporting system design:** 25%

**Rationale:** Advanced analysis programs require sophisticated application of analytical techniques and regulatory knowledge

# Delivery Framework

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| --- | --- |
| Total Contact Hours | 75 hours |
| Self-Study Hours | 64 hours |
| Work-Based Hours | 46 hours |
| Work-Based Learning | Integrated |

# Module Structure

## Module 1: Sustainability Data Fundamentals

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| --- | --- |
| ECTS Credits | 2.0 |
| EQF Level | 4 (Program: 5) |
| Total Workload | 50.0 hours |
| Contact Hours | 20 hours |
| Self-Study Hours | 17 hours |
| Workplace Hours | 12 hours |

**Description:** Essential data skills for sustainability professionals requiring immediate deployment

### Learning Outcomes:

**Knowledge:** Evaluate foundational concepts of sustainability data fundamentals and their application to data-driven sustainability reporting and compliance within sustainability applications.

**Skills:** Coordinate professional application of sustainability data fundamentals to support esg data analysis and regulatory compliance in organizational contexts.

**Competence:** Manage projects involving professional responsibilities involving sustainability data fundamentals while ensuring professional standards and stakeholder value.

## Module 2: Corporate Sustainability Reporting Directive (CSRD) Implementation

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| --- | --- |
| ECTS Credits | 0.5 |
| EQF Level | 5 (Program: 5) |
| Total Workload | 12.5 hours |
| Contact Hours | 5 hours |
| Self-Study Hours | 4 hours |
| Workplace Hours | 3 hours |

**Description:** Step-by-step guide to CSRD compliance and sustainability reporting requirements

### Learning Outcomes:

**Knowledge:** Compare analytical frameworks for corporate sustainability reporting directive (csrd) implementation within esg data analysis and regulatory compliance contexts within sustainability applications.

**Skills:** Manage professional application of corporate sustainability reporting directive (csrd) implementation to support esg data analysis and regulatory compliance in organizational contexts.

**Competence:** Guide others in professional responsibilities involving corporate sustainability reporting directive (csrd) implementation while ensuring professional standards and stakeholder value.

## Module 3: Big Data for Environmental Intelligence (EQF 4 Version)

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| --- | --- |
| ECTS Credits | 5 |
| EQF Level | 4 (Program: 5) |
| Total Workload | 125 hours |
| Contact Hours | 50 hours |
| Self-Study Hours | 43 hours |
| Workplace Hours | 31 hours |

**Description:** Leverage big data technologies to analyze environmental patterns and trends (This module has been adapted for EQF level 4.)

### Learning Outcomes:

**Knowledge:** Assess implementation strategies for big data for environmental intelligence (eqf 4 version) in data-driven sustainability reporting and compliance within sustainability applications.

**Skills:** Plan data-driven approaches to big data for environmental intelligence (eqf 4 version) to support esg data analysis and regulatory compliance in organizational contexts.

**Competence:** Take responsibility for analytical responsibilities involving big data for environmental intelligence (eqf 4 version) while ensuring professional standards and stakeholder value.

# Recognition Framework

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| --- | --- |
| EQF Level | 5 |
| ECTS Transferable | Yes |
| Bologna Compliant | No |
| Professional Recognition | Industry recognition for Sustainability Data Analyst competencies at EQF Level 5 |