Educational Profile: Data Engineer (EQF 6)

EQF Level: 6

Total ECTS: 36 (900 hours)

Delivery Modes: Blended Learning, Online Learning, Work-Based Learning

Target Sectors: Sustainability Management, Environmental Consulting, Corporate ESG

# Programme Goal

Primary Objective: Professional development for data engineer with EQF Level 6 competencies

Learning Approach: Competency-based professional development with integrated green-transversal skill development

Professional Context: Prepares learners for complex data engineer practice requiring critical understanding, advanced skills, and autonomous professional management

# Unit Learning Outcomes

Units Summary: Units include: Data Engineer Core Competency 1, Data Engineer Core Competency 2, Data Engineer Core Competency 3

## Unit: Data Engineer Core Competency 1 (12 ECTS)

Complexity: EQF Level 6 complexity requiring professional competency development

Knowledge: Advanced knowledge relevant to data engineer professional practice

Skills: Advanced skills application in data engineer contexts

Competences: Autonomous professional competences with independent decision-making

## Unit: Data Engineer Core Competency 2 (12 ECTS)

Complexity: EQF Level 6 complexity requiring professional competency development

Knowledge: Advanced knowledge relevant to data engineer professional practice

Skills: Advanced skills application in data engineer contexts

Competences: Autonomous professional competences with independent decision-making

## Unit: Data Engineer Core Competency 3 (12 ECTS)

Complexity: EQF Level 6 complexity requiring professional competency development

Knowledge: Advanced knowledge relevant to data engineer professional practice

Skills: Advanced skills application in data engineer contexts

Competences: Autonomous professional competences with independent decision-making

# Recognition of Prior Learning

RPL Pathway: Comprehensive Recognition of Prior Learning (RPL) pathway enabling credit transfer and accelerated progression through systematic competency validation with visual competency mapping