

National Apprenticeship - Occupational Profile

Apprenticeship Title	Advanced Quantity Surveyor
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NFQ Level	Level 9
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Duration	2 years
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Typical tasks/ responsibilities

The Advanced Quantity Surveyor is required to manage all costs (time, financial and quality) relating to built assets in a sustainable and holistic way. They seek to minimise the waste on a project and enhance value for money, while still achieving the required standards and quality.

In addition to being construction cost consultants, quantity surveyors have an increasingly important role in project management, value management and facilities management. Advanced Quantity Surveyors will supply expert knowledge in the fields of cost and value management, procurement advice and management, tender analysis and agreement, risk management, and assistance in dispute resolution.

On successful completion of the proposed apprenticeship, a person in the occupation of Advanced Quantity Surveyor will be able to:

Knowledge

Quantity surveying, sustainable development of built assets, capital works framework, procurement processes, environmental and legislative factors, cost management, strategic procurement, project management, financial management, knowledge management, risk management.

The capability to apply a detailed knowledge and systematic understanding of a specialist field of quantity surveying in the context of the sustainable development of built assets. They will navigate the decentralised Irish public construction procurement processes using techniques and processes such as the capital works framework to organise or participate in procurement processes for the specific project in hand.

They will apply concepts and models to identify, appraise, and critique the environmental and legislative factors that influence strategic procurement decisions. The Advanced Quantity Surveyor will develop both deep and broad knowledge of sustainable development principles and their potential influence in the development of public buildings.

Skills

Research, problem solving, identification and analysis of issues, select, modify and apply decisions, critical analysis, formulate appropriate responses

Skills continued

The proficiency to demonstrate a breadth of specialised research techniques regarding the major obstacles to the successful implementation of a cost management system in organisations, and determine the strategies and approaches to overcome these obstacles.

The ability to solve problems by identifying and analysing issues to determine the optimal practical solutions to improve performance of the specific project in hand. Select, modify and apply project, risk, financial and knowledge management skills; including research or innovation skills, to critically analyse, research independently and formulate responses to unpredictable, complex and ill-defined problems within the profession of Quantity Surveying.

Competences

Ethics, professionalism, leadership, best practice, deadline focused, target driven strong communicator, debate and discussion ability

The Advanced Quantity Surveyor will apply a detailed knowledge and systematic understanding of key measurement best practice skills to the practical measurement of core elements in a building project.

They will demonstrate the need for an effective physical management programme and review the debate regarding repair versus renewal requirements. They can analyse and critique the strategic nature of the Quantity surveying role, identifying the role of independence, ethics and professionalism in public construction procurement/tendering.

The Quantity Surveyor will select appropriate value management and cost control techniques to suit bespoke project development needs solutions. They will perform a leadership role within the intra-disciplinary structure of capital works management teams. The quantity surveyor may operate at a technical level in the role of project economic advisor and simultaneously act as the strategic or lead role as quantity surveying team leader.

Industry/ industries served by the proposed apprenticeship

Excellent employment and career opportunities in key sectors including:

- Quantity surveying,
- Project management,
- Civil engineering,
- Mechanical and electrical engineering,
- Government capital project management etc.

**Proposed
minimum entry
requirements for
apprentices on
the programme**

Apprentices to be employed by an employer and registered on the apprenticeship structure and have one of the following:

1. A primary honours degree (Level 8) in a built environment programme with a minimum award of 2.2. Where the number of eligible applicants exceeds the number of places available, priority of entry will be given to applicants with a higher classification of award
2. Have successfully completed a Post Grad Diploma in a built environment programme. Where the number of eligible applicants exceeds the number of places available, priority of entry will be given to applicants with a higher classification of award.
3. An appropriate professional built environment qualification (ie. Chartered membership of the SCSl, EI, CIOB etc.) and at least 2 years relevant professional experience/responsibility
4. A primary honours degree (Level 8) with a minimum award of 2.2 and at least 5 years relevant professional responsibility and experience within the built environment and/or ability evidenced by an RPL portfolio of prior experience and learning.
5. Equivalent Qualifications. Applicants with equivalent qualifications on the European and International frameworks will also be considered. International students must evidence a proficiency in English language for example IELTS 6.0

Students may advance to PhD Level.
