



# MCAST

Malta College of Arts, Science & Technology

MQF Level 6

CE6-04-18

**MCAST Bachelor of Science (Honours) in Quantity  
Surveying**

**Course Specification**

## **Course Description**

This course prepares the learner for a successful career in quantity surveying. The programme structure provides an opportunity to explore a range of construction-related disciplines. During the programme, the learner will develop a comprehensive understanding of the disciplines which underpin construction management and the surveying professions. This knowledge will include subjects such as; economics, law, industry practice and building technology. Throughout the programme there will be a strong focus on project work and interdisciplinary collaboration is highly encouraged. The BSc Quantity Surveying programme leads to a development of specialist knowledge related to construction economics and contract law, with a particular focus on managing costs throughout the project life-cycle from early design through to building completion and beyond. As part of this programme the learners will also complete a dissertation on a research topic of their choice and a quantity surveying project, in which they will prepare a design cost plan for a project.

## **Programme Learning Outcomes**

**At the end of the programme the learner will be able to:**

- 1. Explain the principles of design, construction of buildings and built facilities abiding by the construction technology that underpin them.*
- 2. Apply basic principles building measurement to project and cost management in the light of the law that underpins them.*
- 3. Undertake the financial appraisal and feasibility of a development project by calculating final quantities and costings of construction operations and applying value management.*
- 4. Explain procurement strategies which will lead to successful commercial management.*
- 5. Conduct research in relation to the development and construction industry and in relation to Contract and Finance management.*

## **Entry Requirements**

MCAST Advanced Diploma in Building Services Engineering

or

MCAST Advanced Diploma in Construction Engineering

or

MCAST Advanced Diploma in Civil Engineering

or

2 A-Level passes and 2 I-Level passes

Compulsory A-Level: At least one A-Level pass from Accounts, Engineering Drawing, Mathematics (Pure or Applied), Physics

Preferred I-Level: Engineering Drawing and Graphical Communications  
Knowledge in CAD will be considered an asset

### Current Approved Programme Structure

Unit Code	Unit Title	ECTS	Year
ETCNS-506-1803	Introduction to the Built Environment	6	1
ETLAW-506-1801	General Introduction to Law	6	1
ETQSS-506-1801	Introduction to Measurement	6	1
ETCNS-506-1804	Understanding Construction Technology and Material Science	6	1
ETQSS-506-1802	Introduction to Quantification and Computerised Taking Off	6	1
ETMTH-506-1514	Applied Mathematics for Construction and the Built Environment	6	1
ETCNS-506-1805	Construction Site Engineering	6	1
ETH&S-506-1512	Health, Safety and Welfare for Construction and the Built Environment	6	1
ETBTC-506-1502	Technology for Complex Buildings	6	1
CDKSK-503-1907	English 1	3	1
CDKSK-503-1908	English 2	3	1
ETCVE-506-1502	Contractual Procedures and Procurement for Construction and the Built Environment	6	2
ETPRJ-506-1804	Development Project	6	2
ETLAW-506-1802	Law and Economics for the Built Environment	6	2
ETMGT-506-1510	Management Principles and Application in Construction and the Built Environment	6	2
ETPRJ-506-1519	Group Project in the Construction Industry	6	2
ETPRJ-506-1521	Research Project	6	2
ETQSS-506-1804	Measurement, Quantification and Costing	6	2
CDKSK-604-1909	Entrepreneurship	4	2
CDKSK-602-1910	Intra and Interpersonal Skills	2	2
ETCNS-506-1527	Measuring, Tendering and Estimating for Construction and the Built Environment	6	2
ETPRJ-506-1902	Procurement Strategy	6	2
ETCNS-606-1904	Built Facility and Construction Industry Studies	6	3
ETFIN-606-1907	Value and Finance Management	6	3

ETQSS-606-1803	Advanced Measurement, Quantification and Costing	6	3
ETCNS-606-1905	Construction Economics and Cost Management	6	3
ETCNS-606-1809	Building Construction and Environmental Systems	6	3
ETCNS-606-1810	Construction Procurement-Commercial Management	6	3
ETLAW-606-1804	Advanced Contractual Procedures	6	3
ETPRJ-606-1805	Quantity Surveying Project	6	3
ETRSH-600-1502	Research Methods	0	3
ETDIS-612-1802	Dissertation	12	3
<b>Total ECTS</b>		<b>180</b>	<b>/</b>