



University of  
Chester

Oxford Academics

# Master of Science in Project Engineering



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The University of Chester with Oxford Academics is pleased to present a unique opportunity to study for a Master of Science (MSc.) Degree in Project Engineering: the University of Chester awards master degree in project engineering and Oxford Academics provides postgraduate education in project engineering.

The programme is relatively unique in two ways:

1. it adopts an engineering as opposed to a management approach to achieving success in complex projects, and
2. it assembles academic and professional bodies of knowledge to treat the scope and depth of issues encountered in today's complex, fast-moving and cost-critical project environments.

The distinction between Project Engineering and Project Management is deliberate and meaningful. For each project, Project Engineering consists of designing, optimising and organising adequate Project Management and Project Governance.

Graduates of this programme are well equipped to deal with real projects in real settings, at a significantly advanced level of project expertise.

## Aims

The overall aim of the Project Engineering curriculum is to enable students to define, optimise and operate project management in an effective and efficient way:

- development of analytical, pragmatic logics in diagnosing project situations.
- application of appropriate methods, tools and techniques.

Project engineering skills developed in this programme include:

- Project compliance (the art and science to make the right project),
- Project conformance (the art and science to make the project right),
- Project time and cost (the art and science to produce adequate scorecards),
- Project integration (the art and science to assure consistency of project with its environments).



The programme has been developed over more than 20 years in both professional and academic settings.

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## For whom

Professionals with a project management background who face a gap in project complexity: i.e. from expert projects to team projects, from team projects to multiple management levels, or a sudden increase in the number of management levels:

- Managers whose expertise and core skill is a key success factor. In projects performed by a team of experts, the human skills of a project facilitator then become a key success factor.
- Managers of projects where there are multiple management levels. These require dedicated project management methods, techniques and tools. Project engineering is at the centre of these situations.
- Post Graduate students with technical, scientific or technology degree who wish to supplement their professional offer with management skills, internationally valued



## By whom

Balance between professional exigency and academic insight constitutes a cornerstone of the programme. Participants not only study academic theory and research, but also encounter the current “best practice” and experience of world-class companies and organisations, together with the profession’s most respected professional bodies.

Professional experience is shared to the development of analytical, pragmatic logics in diagnosing project situations and applying appropriate methods, tools and techniques.

Further information:

Websites:

[www.oxford-academics.uk.net](http://www.oxford-academics.uk.net)

[www.msc-pe.oxford-academics.uk.net](http://www.msc-pe.oxford-academics.uk.net)

[www.chester.ac.uk/pg/preproject-engineering](http://www.chester.ac.uk/pg/preproject-engineering)

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## Programme Breakdown Structure

Entire programme is split into three different levels (three modules each):

- PG Cert in Project Engineering (modules PM7101, PM7102 and PM7103) is aimed at engineering project management at a tactical level.
- With PG Dip in Project Engineering focus is given to integration of project management into larger environment: system view for PM7201, project portfolio for PM7202 and research prospective for PM7203. PG Dip PE is aimed at both tactical and strategic levels of project engineering. PG Dip in Project Engineering is made of PG Cert in Project Engineering first, followed by modules PM7201, PM7202 and PM7203.
- The final level (CO7100) is totally dedicated to a Research Dissertation.

## Entry requirements:

Applicants must possess an honours degree of 2.2 or equivalent. In exceptional cases substantial experience in the field of Project Engineering, or a closely related discipline (e.g. Project Management, Risk Management, Lean Methodology). Applicants for whom English is not a native language must also demonstrate proficiency in the English language. Such applicants must have minimum score of 6.5 on IELTS.

**For application details, ask for “MSc PE - info pack” at:**  
[msc-pe.uoc@oxford-academics.uk.net](mailto:msc-pe.uoc@oxford-academics.uk.net)

[www.chester.ac.uk/pg/project-engineering](http://www.chester.ac.uk/pg/project-engineering)  
[www.msc-pe.oxford-academics.uk.net](http://www.msc-pe.oxford-academics.uk.net)