

# MSc in Major Programme Management and Research Network

## Needs and Benefits

### Increasingly, project managers are required to:

- Effectively integrate a range of wider and newer technologies
- Integrate systems which are more substantial and more complex than before
- Operate across cultural boundaries
- Understand a greater range of financial engineering solutions, particularly in through-life support and final disposal as contracts move from the delivery of tangible goods to availability and output performance
- Co-exist in several alliances/joint ventures simultaneously
- Understand the regulatory/de-regulatory environment and ensure compliance through the project supply chain

To address these needs the University of Newcastle has created a Centre of Excellence in Major Project Management with two key strands of activity:

- A part-time programme designed to equip managers to deal with the challenges that are typical of large and complex projects. It is aimed at managers who are of high potential and who are expected to assume a significant leadership role in major programme management in the next few years
- A research network to address issues arising in collaborating companies



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## Overview of MSc Programme

This programme runs on a part time basis meaning that it can be done whilst continuing to work for the sponsoring employer. It is taught via a number of modules. The usual pattern is that a module starts with a taught week at one of the collaborating universities. This is then followed by further study and targeted investigation at the participants' organisations. The modules are followed by a dissertation. The complete programme will require about 1800 hours of study spread over two to three years.

## Learning Outcomes

Graduates will have gained:

- a good understanding of issues at the forefront of Programme Management and will have a knowledge of up to date tools and techniques. They will be able to critically evaluate approaches to Programme Management.
- knowledge and experience of the fundamental techniques used in requirements analysis, specification, design, development, validation, documentation, maintenance and evaluation of projects in accordance with modern principles of project management. They will have skills in the application of these techniques in the management of major projects for a range of applications (disciplines or industries).
- experience of a range of management approaches in current use in the profession, an understanding of current trends and their development, and an appreciation of the professional, ethical and social dimensions of the subject.
- the ability to apply the principles and practices of Programme Management in tackling a significant technical problem; the solution typically demonstrates a soundly based vision of the direction of developments of Programme Management.

Graduates are expected to continue in employment with their sponsoring organisations. These tend to be major organisations, that have a need for expertise in the management of major programmes.



### For more information contact:

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