

# MSc Advanced Composites Design

*“Over the next three years we will see a significant shift from metallic to composite structural design...”*

**Graham Childs, Hyde Group**

## Innovative Features

Designed For Aspiring Professional Engineers  
Flexible Learning  
Bespoke Modules  
Real Life Simulations  
Employer Led Coursewear  
Employer Designed Case Studies  
Flexible Entry Points Throughout the Year

## Course Modules

|  |               |
|--|---------------|
| Introduction to Composites   | (15 Credits)  |
| Research Methods   | (20 Credits)  |
| Manufacture and Fabrication  | (15 Credits)  |
| Design of Advanced Composites  | (30 Credits)  |
| Design of Advanced Composites (Option)   | (30 Credits)  |
| Standard Dissertation  | (60 Credits)  |
| Industrial Dissertation (only available for those employed in the composites industry) | (120 Credits) |

## Collaborative Activity

North West Composites Centre  
North West Aerospace Alliance  
The University of Manchester  
Inst Mech Eng and Inst of Materials

## Institutions

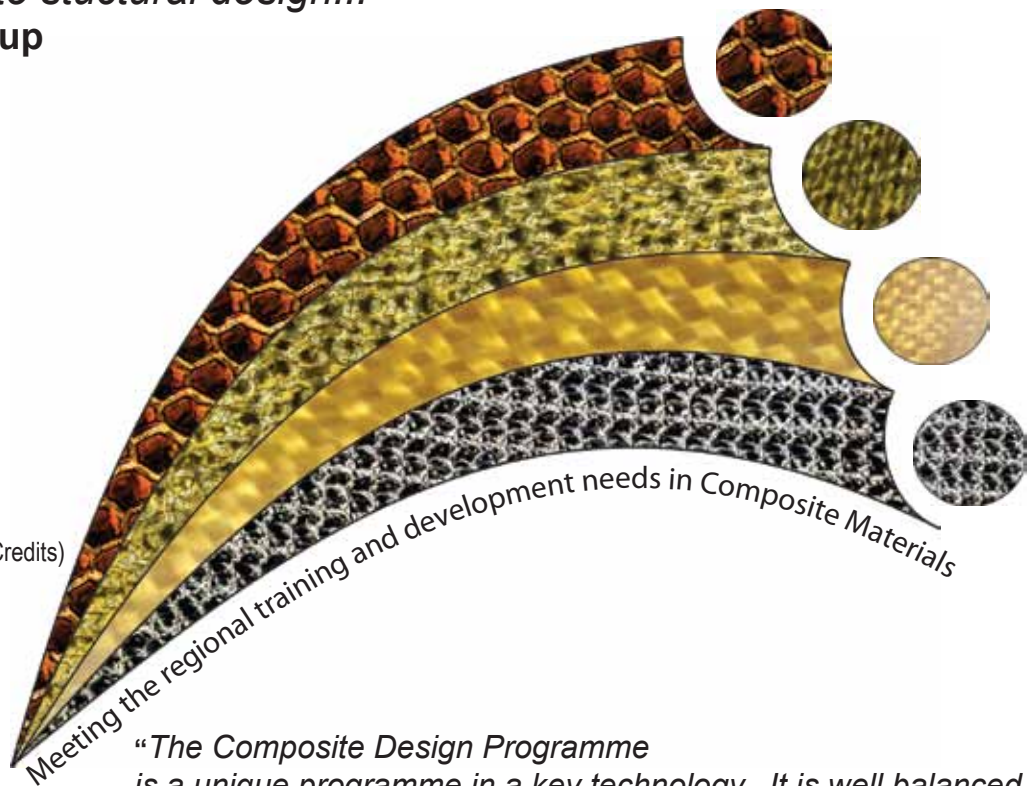
The University of Bolton in partnership with the University of Manchester

## Skills Demand

A study by North West Aerospace Alliance on the Region's Capabilities and Opportunities in Composites in 2006 showed that Design, Analysis, Manufacture, Life Cycle Management, Repair and Maintenance of Composites are the priority focus for companies.

## Target Audience

Engineers, graduates and/or technically orientated people who wish to update or develop their knowledge in the application of Composite Materials.



*“The Composite Design Programme is a unique programme in a key technology. It is well balanced between high academic standards and best industrial practices. I hope that students will find the programme as fascinating to study as I have in helping to develop it.”*

*Jim Banks - Aero Composites Design LTD*

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MECHANICAL  
ENGINEERS**

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**nwUa**  
North West Universities Association  
Working together for business  
and the community

## Contact:

If you require further information please contact  
Professor Peter Myler or Brian Pederson on **01204 903020**  
**www.bolton.ac.uk/codate**  
**composites@bolton.ac.uk**

**University  
of Bolton**