

ncme

National Centre for Motorsport Engineering



University  
of Bolton



Teaching Intensive, Research Informed

National Centre for  
**Motorsport  
Engineering**



THE TIMES &  
SUNDAY TIMES  
GOOD UNIVERSITY  
GUIDE 2019

**4th**

IN THE UK FOR  
TEACHING QUALITY

Why choose to study at

# Bolton?



# It's simple...

We don't just **invest in you!**

**£31** million invested in our state-of-the-art facilities

We pride ourselves on our **teaching quality**

**4th** in the UK for Teaching Quality | The Times & Sunday Times

We focus on providing a **positive student experience**

**1st** in the North West for Student Satisfaction | Complete University Guide 2020

University education as it should be

**0** hidden extras, all the tools for your course\*

Since starting my degree at the University of Bolton, I've gained knowledge both inside and outside the classroom which has **helped me to plan my future career** in Engineering Management.



**Elliot Downs**  
Student Motorsport Technology



We are proud to be the UK's only National Centre for Motorsport Engineering (NCME). Our £13 million state-of-the-art facilities and highly qualified academic staff have the relevant motorsport and engineering experience to help our students achieve their career goal. This outstanding, purpose-built environment is the key to enhanced student experience and development, helping their employability.



@BoltonNCME



### Courses:

Automotive Performance 6

Motorsport Technology 8

# We are different for the right reasons!

We believe in providing our students with hands-on experience. From classroom to race track, our students are able to test their skills on live projects. We enable you to gain the skills you need to work within the motorsport, performance automotive, or associated industries.

## The right tools for the job

With industry standard computer-aided design and analysis software, as well as additive manufacturing facilities, the NCME ensures you are career-ready upon graduation. Our courses help you learn from industry professionals that will enhance your career ambitions.

## Fabrication & Electronics

Machining and fabrication is a core skill in both the automotive and motorsport sectors. We have the facilities to manufacture and test components using industry standard methods.

We can manufacture parts in our composites lab with the use of raised temperature curing methods. Through our collaborations with industry, our students gain experience with many aspects of composite design and manufacture.

The electronics lab is utilised in order to introduce students to electronics. Specifically, students learn how to use electronic components and equipment.

# Automotive Performance Engineering

The competitive nature of the motorsport industry drives engineers to innovate and develop ideas that power progress in the automotive sector. This exciting course aims to give you the theoretical, hands-on knowledge and experience needed to begin your career in whichever industry sector you prefer.

## + Course highlights

We offer understanding in areas such as data analysis, performance optimisation, aerodynamics, safety considerations, whole vehicle and part design, and manufacturing. We also want to help you develop industry-focused commercial awareness and parallel business and management skills.

## Speak to a lecturer (we are here to help)

**Rob Higham**  
Programme Leader

@ r.higham@bolton.ac.uk

01204 903 267



Award	Course
BEng (Hons)	Automotive Performance Engineering (Motorsport)
BEng (Hons)	Automotive Performance Engineering (Motorsport) with Foundation (4 years)

Your level 3 subject must include a mathematics-based subject and a physics-based subject. You should also have 5 GCSEs at grade C or above or grade 4 to 9 (or equivalent) including English, Mathematics and Science. You may be required to attend an interview and/or provide a portfolio of work.

If English isn't your first language you'll also normally need IELTS 6.0 (or equivalent). If you don't have the required English level, you can study English with us from IELTS 4.0 (or equivalent) by applying for our English Foundation Programme.

For more detailed course information, including UCAS codes and entry requirements visit [uob.ac/ncme](http://uob.ac/ncme)

Institution of  
**MECHANICAL  
ENGINEERS**

# Motorsport Technology

Gain the tools you'll need to achieve optimal performance and efficiency in racecar design and set-up on our IMechE-accredited course.



## + Course highlights

At the NCME you can study in the classroom, laboratory, workshop and at the race track. We want to help you gain a comprehensive understanding of the engineering principles and theories essential in motorsport technology, to develop your practical expertise in our industry-standard facilities. A degree in engineering produces fundamental knowledge and skills that are sought after by many different global industries, including automotive, aerospace or marine.

## Speak to a lecturer (we are here to help)

**Rob Higham**  
Programme Leader

@ r.higham@bolton.ac.uk

☎ 01204 903 267



Award	Course
BSc (Hons)	Motorsport Technology
BSc (Hons)	Motorsport Technology with Foundation (4 years)

Your level 3 subject must include a mathematics-based subject and a physics-based subject. You should also have 5 GCSEs at grade C or above or grade 4 to 9 (or equivalent) including English, Mathematics and Science. You may be required to attend an interview and/or provide a portfolio of work.

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# Come and explore

## Open Days/Access All Areas

These provide a great opportunity to discover more about life at the University of Bolton and how we can help your career ambitions. You'll get to speak to our passionate lecturers, and hear first-hand from our students about the wonderful courses we offer. Tours of the modern facilities as well as the halls of residence, make up the day. At the end of your visit, you will have a better understanding of why we are the right university for you.

Welcome to #UniAsItShouldBe.




[www.uob.ac/opensdays](http://www.uob.ac/opensdays)



[www.uob.ac](http://www.uob.ac)







At the NCME we are all about supporting our students' career ambitions. At the end of their course, we hope that our students have the knowledge and confidence to get the job they want. Quite simply we are here to help and nurture our students.

**Mark Busfield**

Director of the centre

## What is #UniAsItShouldBe?

...quite simply, ensuring you enjoy your time at university; through quality teaching, passionate lecturers, supportive environment, great facilities ...and on graduation helping you find a job.

# Map

- 1 Senate House
- 2 Bolton One
- 3 The Calderwood Building
- 4 Innovation Factory
- 5 The Chancellor's Building & Social Learning Zone
- 6 The Chancellor's Mall



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Welcome to  
**#UniAsItShouldBe**

