



University
of Bolton



Teaching Intensive, Research Informed

School of 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 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*

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

Great facilities to enhance your learning experience

Bolton gave me a good and well balanced theoretical and practical exposure to civil engineering that provided an **ideal basis to grow my career.**



Andrew Nicholson
Student Civil Engineering



The School of Engineering has a reputation for delivering world-class, industry-relevant education across all engineering-associated disciplines. One of the UK's first mechanics institutes, engineering has always been at the heart of the University of Bolton. Our programmes are recognised for their quality alongside accreditation; first-class teaching with excellent resources and specialist facilities ensures our students are as important as our world-leading research activities.

 [@BoltonEng](#)

Courses:

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Biomedical & Medical Engineering

Biomedical & Medical Engineering is a multidisciplinary subject covering engineering and systems design, biological science, rehabilitation and healthcare devices, concerning the well-being of humans and animals. The course applies engineering science and design knowledge to address medical conditions and the monitoring of safe working within a clinical environment.

Institution of
**MECHANICAL
ENGINEERS**



+ Course highlights

The programme is delivered by practising chartered engineers, biologists and rehabilitation specialists, equipping you with skills, knowledge and experience to meet the evolving engineering needs of the medical and healthcare professions.

Study across various disciplines such as health, engineering, biology and sports, working with the latest technologies in medical instrumentation, devices and material design solutions.

Specialist facilities in a new purpose-built building include microscopy, a tissue engineering suite, biomechanics, biomedical sensors lab and rapid prototyping.

Speak to a lecturer (we are here to help)

Dr. Mohammad Sanami

@ m.sanami@bolton.ac.uk

📞 01204 903 109



Award	Course
MEng	Biomedical Engineering
BEng (Hons)	Biomedical Engineering
BEng (Hons)	Biomedical Engineering with Foundation (4 years)
BEng (Hons)	Medical Engineering
BEng (Hons)	Medical Engineering with Foundation (4 years)

Civil Engineering

Our Civil Engineering courses, established for more than 40 years, reflect the importance of the industry in the North West; home to some of the most prestigious international and national companies in the sector.

+ Course highlights

The taught vocational provision focuses on equipping students with appropriate life-long learning skills, with an appropriate educational base to apply for both Incorporated Engineer (IEng) and also Chartered Engineer (CEng) status at an early career stage.

Interactive and engaging modules ensure a realistic industry insight. Course features include guest lectures, placements and seminars as well as the option of undertaking your dissertation in association with local employers.

Benefit from established, close working industry relationships, providing placement opportunities at various programme stages, complemented by staff with first-hand consultancy and contracting experience, plus offer degree apprenticeships.

Speak to a lecturer (we are here to help)

Dr. Paul McMahon

@ p.mcmahon@bolton.ac.uk

📞 01204 903 849



Award	Course
BEng (Hons)	Civil Engineering with Foundation (4 years)
BEng (Hons)	Civil Engineering with Foundation (4 years)
HNC	Civil Engineering
BEng (Hons)	Civil Engineering (Degree Apprenticeship)





Construction

Readies individuals for lead roles in the work environment. Our courses establish the requisite skills to manage projects from inception to completion, meeting client requirements as well as those of health and safety.

Course highlights

Practical-oriented modules supported by impressive university facilities, with relatively small class sizes and one-to-one time with lecturers.

Learning enhanced by guest lectures, site visits, industrial seminars and connections and work placements with local employers and the larger industry, at home and overseas.

Courses recognised for their depth, detail and quality, and accredited by key professional institutions.

Speak to a lecturer (we are here to help)

Dr. Paul McMahon

@ p.mcmahon@bolton.ac.uk
 01204 903 849



Clive Robinson

@ c.j.robinson@bolton.ac.uk
 01204 903 542



Award	Course
HNC	Construction & Surveying
BSc (Hons)	Facilities and Asset Management*
BSc (Hons)	Intelligent Construction*



Electrical & Electronic Engineering



Courses including our new BEng (Hons) Electrical & Electronic Engineering degree develop your specialist knowledge of electrical and electronic engineering devices, processes and systems, while providing you with experience of working collaboratively across engineering disciplines.



Course highlights

'Real world' engineering knowledge and skills are developed through a combination of theory and practical applications taught in a vibrant and supportive environment.

Highly-specialised modules cover areas such as electromagnetism, embedded systems, digital signal processing, power electronics and renewable energy systems, readying you for a career across a broad range of industries.

Professional development and training is encouraged through hands-on projects, live briefs, industrial visits and work placement opportunities.

Speak to a lecturer (we are here to help)

Dr. Felicia Ong

@ f.ong@bolton.ac.uk
 01204 903 397

Award	Course
BEng (Hons)	Electrical & Electronic Engineering
BEng (Hons)	Electrical & Electronic Engineering with Foundation (4 years)
BSc (Hons)	Mechatronics (Top-up)

*Subject to validation. For more detailed course information, including UCAS codes and entry requirements visit www.uob.ac/eng

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Mechanical Engineering

Courses develop the practical, vocational and creative skills needed for careers in this rewarding discipline. You'll carry out case studies, practical laboratory work and problem-solving projects.

+ Highlights

Friendly yet challenging environment with emphasis on both the theories and principles of mechanical engineering and their application. Supportive learning environment with small class sizes, led by experienced academics and professionals.

Dedicated, modern engineering laboratories, design development and project facilities. Hands-on experience using state-of-the-art equipment and software

Develop business skills for a career in this field, including problem solving, managing workloads, communicating with clients and managing personnel. Work on live engineering projects, participate in competitions and enjoy guest lectures, work placements and industry visits.

Speak to a lecturer (we are here to help)

Dr. Mamadou Ndiaye

@ m.ndiaye@bolton.ac.uk

📞 01204 903 026



Award	Course
BEng (Hons)	Mechanical Engineering
BEng (Hons)	Mechanical Engineering with Foundation (4 years)
BSc (Hons)	Mechatronics (Top-up)

For more detailed course information, including UCAS codes and entry requirements visit www.uob.ac/eng

Polymaths

Well-established course designed to provide an overview of the mathematics discipline, develop logic precision and critical thinking skills.

+ Highlights

Some course elements teach you to enjoy mathematics for its own sake; others explore diverse and practical subject applications.

Enthusiastic, well-qualified and experienced teaching team, with an 'open-door' policy supporting you throughout your course in small, friendly classes.

Speak to a lecturer (we are here to help)

Dr. Michael Butler

@ m.k.butler@bolton.ac.uk

📞 01204 903 634



Award	Course
Certificate	Polymaths

For more detailed course information, including UCAS codes and entry requirements visit www.uob.ac/eng



Postgraduate Courses

The School of Engineering offers a range of career-focused postgraduate courses. Working with industry, we design our master's degrees to build specialist knowledge relevant to your profession, whether that be in engineering, construction or the built environment.

+ Highlights

We offer training in research, critical evaluation and professional communication that can give you the skills and understanding to investigate issues thoroughly, make well-informed choices based on evidence, and communicate your reasoning effectively to colleagues. Our programmes also explore essential management principles and techniques to help you prepare for future responsibilities at work. Alternatively, our courses are a great preparation if you're considering a PhD or professional doctorate. Ultimately, our aim is to support you on your journey to career success.

Speak to a lecturer (we are here to help)

Dr. Erping Zhou

@ e.zhou@bolton.ac.uk

📞 01204 903 465



Dr. Peter Farrell

@ p.farrell@bolton.ac.uk

📞 01204 903 426



Award	Course
MSc	Civil Engineering
MSc	Construction Project Management
MRes	Environmental Management
MRes	Engineering Management
MSc	Systems Engineering (Electronic) & Engineering Mangement
MSc	Systems Engineering (Mechanical) & Engineering Mangement
MSc	Systems Engineering (Mechatronic) & Engineering Mangement

For more detailed course information, including UCAS codes and entry requirements visit www.uob.ac/eng

School of Engineering Degree Apprenticeships

A Degree Apprenticeship allows you to combine university education with work-based learning and ongoing professional development. While working as a valuable part of your team, apprentices can pursue degree level education and develop the advanced knowledge and skills relevant to employment.

Highlights

Apprenticeships are funded by the government and employers, so there are no tuition fees.

Candidates need to be supported by an employer. If you need help finding a suitable employer in order to embark on one of our apprenticeship routes then please contact the relevant Programme Leader.

The following degree programmes offered by the school are eligible for apprenticeships

Dr. Felicia Ong @ f.ong@bolton.ac.uk ☎ 01204 903 397		Award	Course
		BEng (Hons)	Electrical & Electronic Engineering
Dr. Mamadou Ndiaye @ m.ndiaye@bolton.ac.uk ☎ 01204 903 026		Award	Course
		BEng (Hons)	Mechanical Engineering
Dr. Paul McMahon @ p.mcmahon@bolton.ac.uk ☎ 01204 903 849		Award	Course
		BEng	Civil Engineering
Dr. Erping Zhou @ e.zhou@bolton.ac.uk ☎ 01204 903 465		Award	Course
		MSc	Systems Engineering (Mechatronics) & Engineering Management
Dr. Peter Farrell @ p.farrell@bolton.ac.uk ☎ 01204 903 426		Award	Course
		MRes	Engineering Management



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



www.uob.ac





Everywhere we go and everything we do, we can see the legacy of engineering and its impact on our lives. Join a great profession and a great school to learn how to help make an impact tomorrow.

**Professor
Danny Morton**

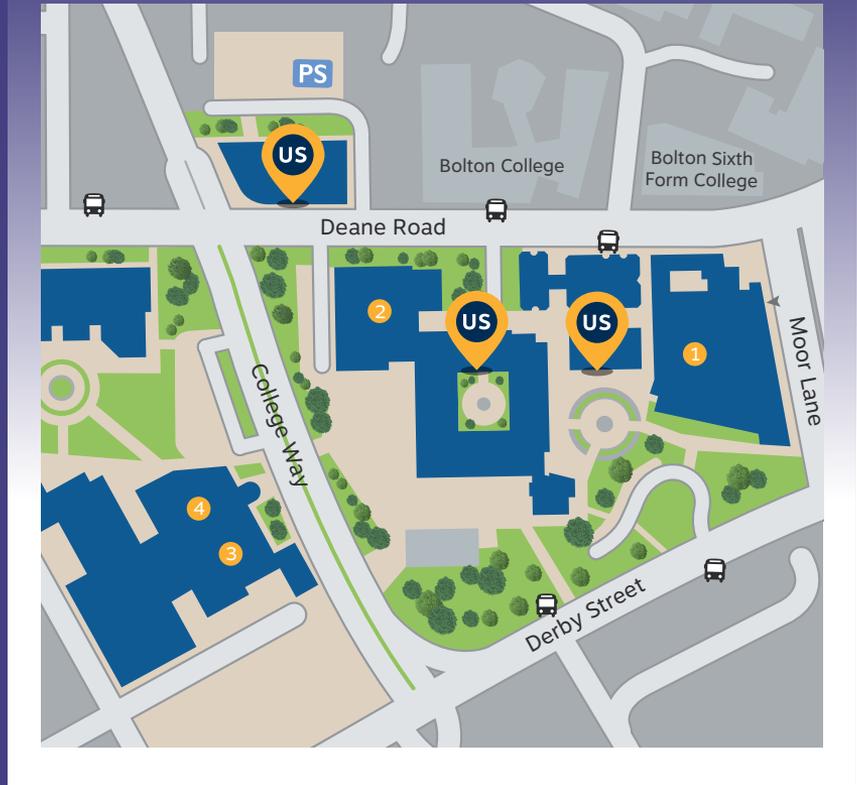
Head of School

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 Bolton One
- 3 Innovation Factory
- 4 The Chancellor's Building & Social Learning Zone
- 5 The Chancellor's Mall



Teaching
Excellence
Framework

+44 (0)1204 903 903

enquiries@bolton.ac.uk

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Welcome to
#UniAsItShouldBe

