



LET'S EXPLORE
#UniAsItShouldBe



www.bolton.ac.uk

School of Engineering

FOLLOW



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I CHOSE THE UNIVERSITY OF BOLTON BECAUSE I WAS LOOKING TO CHALLENGE MYSELF, AND IT OPENS SO MANY DOORS IN TERMS OF CAREER OPTIONS. THEY HAVE A GREAT RANGE OF FACILITIES AND STATE-OF-THE-ART EQUIPMENT.



William Lomax

BDes (Hons) Automotive Performance Engineering

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 goals.

This outstanding, purpose-built environment is the key to enhanced student experience and development, supporting employability.



Aerospace Technology

Our Aerospace Technology programme takes a manufacturing technology focus to Aerospace & Space education. Using industry standard equipment and techniques alongside advanced manufacturing tools such as Resin Transfer Molding (RTM) and Additive Manufacturing (AM) you will build your experience and competence in a world of advanced manufacturing.

The regional and national expertise in advanced manufacturing means this course will provide the skills needed to support the aerospace industry as it grows and takes on new challenges.



- Develop your ability to support the technological development of air and spacecraft from first principles through to production
- Teaching experience from commercial and defence aviation and aligned to the recent creation of a North West Space Cluster
- Sharing facilities with the National Centre for Motorsport Engineering, £13 million investment
- A unique course offering you the chance to operate high end technological projects using industry standard equipment from testing, additive manufacturing and more



LEARN MORE ABOUT THIS COURSE >

Want to talk to someone?

BEng (Hons) Aerospace Technology*
/ BEng (Hons) Aerospace Technology with Industrial Placement*

*Courses are subject to validation. For further information please email:

@ study@bolton.ac.uk

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 accredited by the Institution of Mechanical Engineers and counts towards registration as a Chartered or Incorporated Engineer
- Advanced training facilities including CAD, vehicle workshops, composite, machining, fabrication and additive manufacturing capabilities plus an option for race team internships in the BTCC
- Our programmes are accredited by the Institution of Mechanical Engineers.

PARTNERS:



LEARN MORE ABOUT THIS COURSE >

Want to talk to someone?

BEng (Hons) Automotive Performance Engineering (Motorsport)
BEng (Hons) Automotive Performance Engineering (Motorsport) with foundation

Rob Higham

@ r.higham@bolton.ac.uk ☎ 01204 903 267

Biomedical Engineering

The ever-expanding field of biomedical engineering combines scientific and engineering principles to create and improve medical technology. As a BEng (Hons) Biomedical Engineering undergraduate, you'll have the opportunity to join the next generation of engineers and contribute to the advancement of this important industry.



- One of the only North West universities to offer this course of study
- Learn biomaterials and implant design, tissue engineering, regenerative medicine, medical technology & device design
- Teaching from tutors with industrial and research-based backgrounds

Institution of
**MECHANICAL
ENGINEERS**



IPEM

Institute of Physics and
Engineering in Medicine

LEARN MORE ABOUT THIS COURSE >

IT IS THE LARGE RANGE OF TOPICS THAT HAS MADE ME ENJOY MY COURSE SO MUCH. ONE DAY YOU COULD BE IN THE LABS WORKING WITH CELLS, THE NEXT DAY, YOU COULD BE USING CAD SOFTWARE TO DESIGN AN IMPLANT OR IN THE SPORTS LAB ANALYSING HUMAN MOVEMENT.



Dylan Mistry

BEng (Hons) Biomedical Engineering



Want to talk to someone?

BEng (Hons) Biomedical Engineering
BEng (Hons) Biomedical Engineering with Foundation

Dr. Mohammad Sanami

@ m.sanami@bolton.ac.uk ☎ 01204 903 109

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.



- Lecturers with construction experience and memberships in ICE, iStructE & JBM
- £120k of new survey equipment, digital mapping software and a geospatial drone
- New for 2022 - laboratory with concrete, soil, structures, hydraulics and geotechnical kit
- Now using REVIT for BIM applications the group project and final dissertation



LEARN MORE ABOUT THIS COURSE >

Want to talk to someone?

BEng (Hons) Civil Engineering
BEng (Hons) Civil Engineering with foundation

Dr. Abbes Berrais

@ a.berrais@bolton.ac.uk ☎ 01204 903 837

Electrical & Electronic Engineering

Our Electrical and Electronic Engineering courses develop your specialist knowledge of electrical and electronic engineering devices, processes and systems, while providing you with experience of working collaboratively across engineering disciplines.



- Brand new LUCAS-NUELLE Smart Grids and Power Engineering Lab
- Fully accredited by the IET and awards badge towards IEng/ CEng status
- Our dedicated and experienced academics are experts in fields such as renewable energy, connected devices, power systems, electrical machines, power electronics and digital electronic systems.
- Benefit from guest lectures and workshops from experts in the field, plus industrial summer work placements that provide practical experience and valuable networking opportunities.



LEARN MORE ABOUT THIS COURSE >

Want to talk to someone?

BEng (Hons) Electrical and Electronic Engineering
BEng (Hons) Electrical and Electronic Engineering with foundation

Dr. Felicia Ong

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

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.



- Lecturers with real-world experience and memberships in ICE, iStructE & JBM
- Dedicated, modern engineering laboratories, design development and project facilities. Hands-on experience using state-of-the-art equipment and software
- Friendly yet challenging environment with emphasis on both the theories and principles of mechanical engineering and their application



Institution of
**MECHANICAL
ENGINEERS**



LEARN MORE ABOUT THIS COURSE >

Want to talk to someone?

BEng (Hons) Mechanical Engineering
BBEng (Hons) Mechanical Engineering with foundation
BSc (Hons) Mechatronics (top-up)

Dr. Mamadou Ndiaye

@ m.ndiaye@bolton.ac.uk ☎ 012049 030 26

Motorsport Technology

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



- At the NCME you can study in the classroom, laboratory, workshop and at the race track.
- 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.
- Our programmes are accredited by the Institution of Mechanical Engineers.



PARTNERS:



Want to talk to someone?

BSc (Hons) Motorsport Technology
BSc (Hons) Motorsport Technology with foundation

Rob Higham

@ r.higham@bolton.ac.uk ☎ 01204 903 267

LEARN MORE ABOUT THIS COURSE >

COURSES

AWARD	COURSE TITLE		UCAS CODE	ENTRY POINT & REQUIREMENTS
BEng (Hons)	Aerospace Technology*	FT/PT	H230	120 G I S
BEng (Hons)	Aerospace Technology with industrial placement*	FT	H234	120 G I S
BEng (Hons)	Automotive Performance Engineering (Motorsport)	FT	779L	96 G I S
BEng (Hons)	Automotive Performance Engineering (Motorsport) with foundation	FT	L770	48 G
BEng (Hons)	Biomedical Engineering	FT/PT	2S33	96 S
BEng (Hons)	Biomedical Engineering with foundation	FT	S550	48
BEng (Hons)	Civil Engineering	FT/PT	H206	104 S
BEng (Hons)	Civil Engineering with foundation	FT	H260	48
BEng (Hons)	Electrical & Electronic Engineering	FT/PT	H350	96 S
BEng (Hons)	Electrical & Electronic Engineering with foundation	FT	H360	48
BEng (Hons)	Mechanical Engineering	FT/PT	H300	96 S

AWARD	COURSE TITLE		UCAS CODE	ENTRY POINT & REQUIREMENTS
BEng (Hons)	Mechanical Engineering with foundation	FT	H310	48
BSc (Hons)	Mechatronics (top-up)	FT/PT	HH36	Appropriate Foundation Degree/HND S
BSc (Hons)	Motorsport Technology	FT	F4G5	96 G I S
BSc (Hons)	Motorsport Technology with foundation	FT	F450	48 G



KEY

- A Audition
- C Off-campus
- D DBS check
- E Employment
- F Subject to fitness to practice procedures
- G Specific GCSE
- I Interview
- H Occupational health screening
- P Portfolio
- S Subject specific requirement
- T Test
- W Work experience

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 12 knowledge and skills relevant to employment.



- 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.

APPRENTICESHIPS

BEng (Hons)	Aerospace Technology (Aerospace Engineer Degree Apprenticeship)
BEng (Hons)	Civil Engineering (Civil Engineer Degree Apprenticeship)
BEng (Hons)	Civil Engineering (Site Management Degree Apprenticeship)
BSc (Hons)	Construction Project Management (Design and Construction Management Degree Apprenticeship)
BSc (Hons)	Construction Project Management (Construction Site Management Degree Apprenticeship)
BSc (Hons)	Digital Construction and Surveying (Geospatial Mapping and Science Specialist Degree Apprenticeship)
BEng (Hons)	Electrical and Electronic Engineering (Embedded Electronic Systems Design & Development Degree Apprenticeship)
BEng (Hons)	Electrical and Electronic Engineering (Electrical/Electronic Technical Support Engineer Degree Apprenticeship)
BSc (Hons)	Environmental Science and Management (Environmental Practitioner Degree Apprenticeship)
BSc (Hons)	Facilities and Built Asset Management (Senior/Head of Facilities Management Degree Apprenticeship)
BEng (Hons)	Mechanical Engineering (Manufacturing Engineer Degree Apprenticeship)
BEng (Hons)	Mechanical Engineering (Product Design and Development Engineer Degree Apprenticeship)

[LEARN MORE ABOUT APPRENTICESHIPS >](#)

Come & Explore

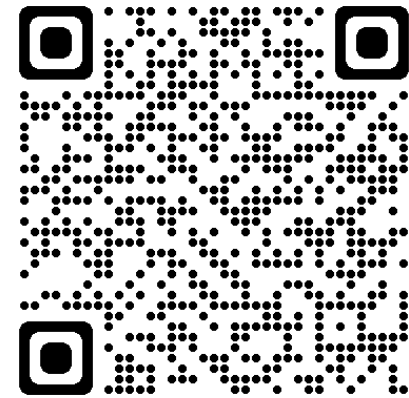
Open Days/Access All Areas

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.

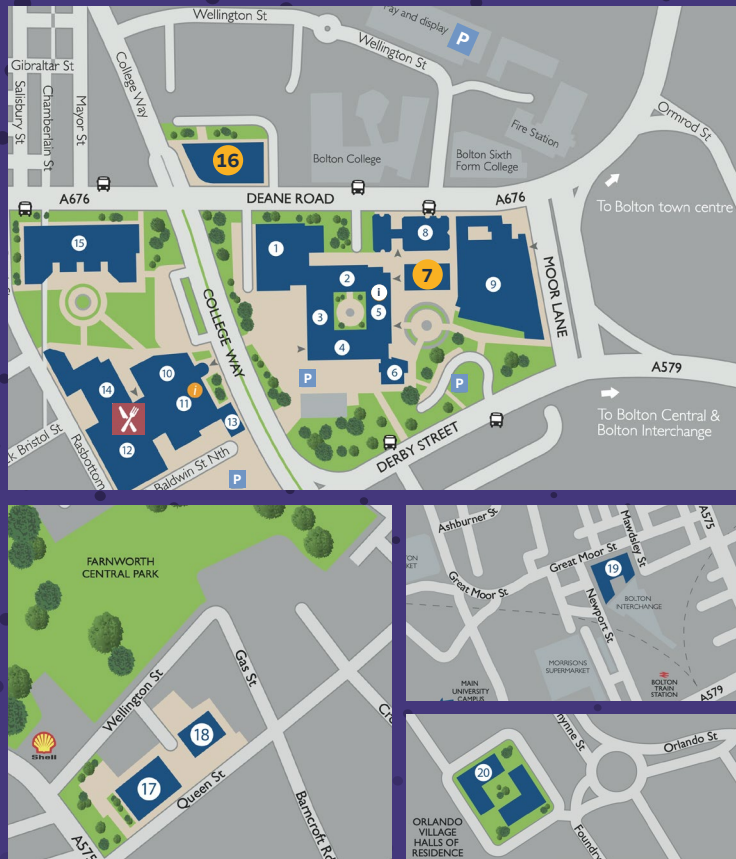
VISIT US >



SCAN ME TO BOOK



Map



- 1** Innovation Factory & Centre for Film FX (A Block)
- 2** Senate House (B Block)
- 3** Senate House (C Block)
- 4** Senate House (D Block)
- 5** Senate House & Main Reception
- 6** Senate House (F Block)
- 7** The Calderwood Building (G Block)
- 8** Lecture Theatre & Classrooms (M Block)
- 9** Bolton One (University of Bolton)
- 10** The Chancellor's Mall
- 11** The Chancellor's Building & Social Learning Zone (S Block)
- 12** Eagle Tower (T Block)
- 13** The i-Zone/Research & Graduate School
- 14** Services & Administration Centre (Z Block)
- 15** University Collegiate School
- 16** National Centre for Motorsport Engineering (X Block)
- 17** Queen's Specialist Building (Q Block)
- 18** Queen's Specialist Building (Q Block)
- 19** Bolton Central (Y Block)
- 20** Orlando Village Halls of Residence
- i** Information & enquiries
- P** Parking
- X** Eagle Bistro Restaurant



YOU DESERVE #UniAsItShouldBe

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