



University
of Bolton



Teaching Intensive, Research Informed



School of
**Creative
Technologies**

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

The opportunity to research and explore anything we can think of, and the **freedom to create** work specific to my chosen career path.



Lex Walker

Student Special Effects
Modelmaking for Film & TV

The School of Creative Technologies is a great place to study. Every course provides dynamic, vibrant and vocational training for careers in fast-paced creative industries. Our highly experienced staff bring personal experience from their specific fields of expertise, which combines with practical hands-on training in our purpose-built multi-million pound facilities, including dedicated studio spaces. The university works closely with leading creative businesses, providing work experience, placements and interactions, to give our students a competitive edge in their dream career.



@UoBvfx



@sfx_bolton



@Make_up_fx_bolton_university

Courses:

Computing	3	Special Effects for Film & TV	11
Computing (Cyber Security)	4	Special Effects Modelmaking for Film & TV	12
Computer Networks & Security	5	Special Make-up Effects for Film & TV	13
Software Engineering	6	Visual Effects & Animation	14
Games Art	7	MA Games Development	15
Games Design	8	Apprenticeships	16
Games Programming	9		



Computing

Our computing course gives you a grounding in essential computing skills such as programming, computer networks, database design and modules run throughout the course to help you master these important disciplines.

Computing (Cyber Security)

Cyber security focuses on protecting data and information systems from cyber breaches. Covering how to design secure computer systems, this unique degree emphasises secure software development and promotes a deep understanding of the structure of computing systems.



+ Course highlights

Computing is a huge field; upon graduation you may become a programmer or database administrator but equally you might find yourself working in cyber security or the Internet of Things.

Dedicated staff team with a wide range of professional experience.

Live briefs are embedded into the assessment of some modules to give a sense of building industry solutions.

In the latter part of the course you have the opportunity to look at career paths and take optional modules that align with your career goal.

Speak to a lecturer (we are here to help)

Abdul Razak
Programme Leader

@ a.razak@bolton.ac.uk

☎ 01204 903 476



Award	Course
BSc (Hons)	Computing
BSc (Hons)	Computing with Foundation (4 years)

+ Course highlights

Throughout the course, you'll develop technical knowledge and applied skills in security defence techniques and counter-measures, ready to protect computer systems and electronic infrastructures from attack. In particular, we'll focus on helping you learn to design and develop your own security tools for probing, analysing and defending computer systems against attack.

A dedicated team will cover how to analyse and evaluate security threats and vulnerabilities to information systems.

Our strong links with business mean you'll have the chance to work on 'live briefs' in your coursework assignments.

Develop real-world skills and knowledge to give you a head start in your career.

Speak to a lecturer (we are here to help)

Adam Isherwood
Programme Leader

@ a.isherwood@bolton.ac.uk

☎ 01204 903 075



Award	Course
BSc (Hons)	Computing (Cyber Security)
BSc (Hons)	Computing (Cyber Security) with Foundation (4 years)

Computer Networks & Security

93%
Student Satisfaction
National Student Survey 2020

Computer Networks & Security delivers exactly what the title says: Computer systems, networking and security. These are essential elements required to manage and deliver the computing and networking infrastructure demanded by contemporary industry.



Course highlights

Windows and Linux operating systems underpin much of what we do with computer systems, both are foundations of modern corporate IT.

The up-to-date curriculum with its focus on the skills needed for the modern workplace makes our graduates valuable additions to any team. This is demonstrated by our excellent track record of graduates gaining employment

We deliver the industry standard Cisco Certified Network Associate (CCNA) curriculum in our networking modules.

We are the first UK university to become a RedHat Academy, incorporating RedHat Linux certification training into our modules.

Speak to a lecturer (we are here to help)

Adam Isherwood
Programme Leader

@ a.isherwood@bolton.ac.uk

01204 903 075



Award	Course
BSc (Hons)	Computing Networks & Security
BSc (Hons)	Computing Networks & Security with Foundation (4 years)

Software Engineering

Congratulations! You're considering a career in the world's most in-demand profession. Concerned with the building and maintenance of software systems and other computer-based solutions, software engineering is a truly global activity and in order to help you prepare for this world the Software Engineering course uses realistic industry-based case studies as the basis for teaching and assessment.

Course highlights

Modules are delivered in ways that expose you to the latest techniques and tools that are currently in demand by employers. The process of developing complex mission-critical software systems involves requirements determination, software architecture, software construction and rigorous testing.

The courses have been developed in conjunction with industrial partners to emphasise key employability skills such as creative problem solving, team working and communication skills.

We teach you multiple programming languages, including Java, JavaScript, C, Python and Haskell as we believe that there is more than one way to do it, and the course reflects that.

We have established links with both local and international technology businesses to enhance our teaching and develop employable, industry ready graduates.

Speak to a lecturer (we are here to help)

Abdul Razak
Programme Leader

@ a.razak@bolton.ac.uk

01204 903 476



Award	Course
BEng (Hons)	Software Engineering
BEng (Hons)	Software Engineering with Foundation (4 years)

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

Games Art

Develop your artistic talents and technical knowledge to enter a career in the exciting games industry. You will develop characters, environments and props using industry standard pipelines, software and tools to ensure you are leaving with a varied portfolio full of industry-relevant techniques.

100%
Student Satisfaction

National Student Survey 2020



Academic Partner



Teaching with Substance



ZBrush School

Course highlights

Our dedicated games studios feature high-specification hardware including Wacom Cintiqs and industry-standard software. Learn the basics of digital art, through character and environment modelling, texturing, lighting, level design and concept art, using the latest technologies in games art.

Strong industry partnerships ensure you are gaining up-to-date and relevant experience, and our portfolio modules allow you to focus on your preferred games art specialisation.

We provide a creative environment where you and your fellow students share your passion for making games. Our games art graduates have gone on to work for companies such as TT Games, Lucid, Sony Interactive Entertainment Europe, Rockstar North, Team 17, Warhorse Studios as well as many others.

Speak to a lecturer (we are here to help)

Col Harding

Programme Leader

@ c.harding@bolton.ac.uk

01204 903 424



Award	Course
BA (Hons)	Games Art

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

93%
Student Satisfaction

National Student Survey 2020

Course highlights

We emphasise practical work, and many of your assignments will result in playable game levels. Our graduates have gone on to work at a wide range of employers, both internationally and locally including Sony, Crytek, TT Games, Codemasters, Rockstar, Lucid Games, Wushu Studios, Simbin and many more.

New building with state-of-the-art facilities.

Modules are taught by professionals with vast industry experience.

Our Games Society was the Student Union's Society of the Year in 2017/18 and when you join us, you will be surrounded by people who share your passion for games.

Speak to a lecturer (we are here to help)

Carrie Warwick

Programme Leader

@ c.warwick@bolton.ac.uk

01204 903 108



Award	Course
BSc (Hons)	Games Design
BSc (Hons)	Games Design with Foundation (4 years)

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

Games Design

Learn the skills required for the entire games production pipeline. To tie these skills together, you will master essential techniques for games design. This includes a thorough grounding in design theory and a comprehensive understanding of play-testing techniques.



Academic Partner



Games Programming

Acquire, or extend, your programming skills to enable a fulfilling career in the games industry, or elsewhere. You will develop technical skills to be able to program 2D and 3D games, on numerous hardware platforms.



Course highlights

Our graduates work at a wide range of employers, both locally and internationally, including EA, Sony Interactive Entertainment Europe, Creative Assembly, TT Games, and many more.

We are based in a new building with state-of-the-art studios, including a dedicated Virtual Reality studio.

Most of your modules will be delivered by people who have industry experience.

We regularly host game jams, where you can work with fellow students, including artists, designers and programmers.

Speak to a lecturer (we are here to help)

Dr. Steve Manning
Programme Leader

@ s.manning@bolton.ac.uk

01204 903 587



Award	Course
BSc (Hons)	Games Programming
BSc (Hons)	Games Programming with Foundation (4 years)

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

There are many **opportunities to get industry-ready**, as well as amazing support from the lecturers, who have industry experience with a wide range of skill sets.

Thomas Leedhorn

Student Visual Effects for Film & TV

Special Effects for Film & TV

Special Effects (Or Practical Effects) cover a vast range of skills and disciplines. Our focus is on the most appropriate skills for the job of creating amazing creatures. We cover concept design and sculpture to create unique and dynamic characters, with costume and mechanical elements like animatronics and puppetry to bring those creatures to life.

Speak to a lecturer (we are here to help)

Richard McEvoy-Crompton
Programme Leader

@ r.mcevoy-crompton@bolton.ac.uk
01204 903 064



Award	Course
BDes (Hons)	Special Effects for Film & TV

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

We want to make use of the best techniques and technology available to create amazing effects. The core tenets of design, realisation and fabrication underpin the amazing and varied work we do on this course. One day you might be sculpting and mould-making, in the workshop fabricating armatures or animatronics then in the costume shop making creature suits or things for more human sized characters. Our job is to make people believe the unbelievable.

Purpose built studio and teaching facilities, including mould making, fabrication, woodwork, and photography and make up rooms.

Industry experienced staff, with excellent links to a wealth of additional contacts that often offer guest lectures, portfolio advice/feedback and insights into this exciting subject area.

Our graduates have worked on: Game of Thrones, Star Wars: The Force Awakens, Justice League, Guardians of the Galaxy, Wonder Woman, Doctor Who, Red Dwarf, The Martian and Ready Player One, plus many more feature films and TV shows.

Course highlights

The programme also introduces students to the broader requirements of the special and visual effects industries, and contextualises their contribution to an overall production design in these exciting sectors of a constantly growing industry.

Purpose designed modelmaking and fabrication studios. A focused understanding of modelmaking techniques for special effects including physical effects with traditional and digital conceiving skills for asset creation.

Students also have the opportunity to develop and master essential technical and professional skills in terms of the structure and workflow patterns inherent in modelmaking for film, TV and Theatre.

Speak to a lecturer (we are here to help)

Jim Costello
Programme Leader

@ j.costello@bolton.ac.uk 01204 903 451

Award	Course
BDes (Hons)	Special Effects Modelmaking for Film & TV
BDes (Hons)	Special Effects Modelmaking for Film & TV with Foundation (4 years)
BDes (Hons)	Special Effects Modelmaking for Film & TV (Top-up)

Special Effects Modelmaking for Film & TV

Special Effects Modelmaking provides a broad range of learning opportunities including conceptual, technical, production and commercial output.

I've been highly impressed with the work on show, both from the Modelmaking and Visual Effects aspects of the courses.

Matt Irvine

Technical Consultant & Visual Effects Designer



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

Special Make-up Effects for Film & TV

This course develops skill-sets dedicated to the application and creation of prosthetic make-up, hair and postiche.



Course highlights

The process of altering the human form through the application of character make-up and hair appliances is a growing skill set required in the industry which is not achievable through other means.

Industry experienced staff, focused on creating industry ready graduates. In addition, we arrange many different specialist industry lectures and offer you the opportunity to attend trade events and exhibitions throughout your course.

Specialist make up studio and classroom spaces, with access outside of normal class time.

Professional level materials and processes used throughout the course to prepare you for this exciting and growing area of the creative industries.

Speak to a lecturer (we are here to help)

Natalie Woods
Programme Leader

@ n.woods@bolton.ac.uk

☎ 01204 903 195



Award	Course
BDes (Hons)	Special Effects Make-up for Film & TV
BDes (Hons)	Special Effects Make-up for Film & TV with Foundation (4 years)
BDes (Hons)	Special Effects Make-up for Film & TV (Top-up)

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



Visual Effects & Animation

This course is ideal if you wish to combine creativity with industry level 3D and 2D digital techniques. These skills enable you to create stunning imagery as seen in leading Academy Award winning films.

Course highlights

We offer a hands-on learning experience that is tailored to each student's skill set whether that be artistic or technical. Students will develop their creative digital skills to aid them in the production of creatures, environments, vehicles and explosions!

The course is designed in collaboration with professional visual effects artists and studio directors to mimic industry pipelines and practices.

Your experience will be a realistic preparation for a career in visual effects. This includes industry set briefs by Oscar-winning VFX studios such as DNEG.

We're committed to helping develop your employability and career network. There will be guest speakers, studio visits and projects involving some of the world's top VFX studios. These include DNEG, ILM, Framestore, MPC, The Mill, and The Farm Group, all of whom hire our graduates.

ScreenSkills accreditation was awarded due to our continuing industry engagement, from which our teaching draws its professional skills. This leads to work-ready graduates, many of whom go on to work in Oscar-winning studios.

100%
Student Satisfaction

National Student Survey 2020

Speak to a lecturer (we are here to help)

Richard Jones
Programme Leader

@ r.p.jones@bolton.ac.uk

☎ 01204 903 487



Award	Course
BSc (Hons)	Visual Effects & Animation

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

MA Games Development

Our MA Games Development programme is an opportunity to study in an 'indie' style team to hone your Games Dev skills. You and your team will work in our bespoke MA Games Dev studio in the new, purpose built, cutting-edge Centre for Games Development facility at the University of Bolton.

+ Course highlights

Building on your understanding, you will advance your development techniques and extend your knowledge of the games business. Successful completion of our MA Games Dev programme will add five releasable products to your portfolio. This course is the ideal next step for ambitious games graduates.

Speak to a lecturer (we are here to help)

Andrew Williams

Programme Leader

@ a.williams@bolton.ac.uk

📞 01204 903 839



BSc (Hons) Digital and Technology Solutions is a Degree Apprenticeship programme with a focus on Computing-related material.

Our implementation of this national standard offers a common core and four distinct specialisms:

- Cyber Security
- Data Analysis
- Network Engineering
- Software Engineering

Our specialist courses are co-designed with employers to ensure they are providing the skills that industry are looking for. Students enrolled on an apprenticeship are in full-time employment and divide their time between the workplace and flexible university study. While studying at university you are also earning and gaining real job experience and will graduate with a full bachelor's degree.

If you are interested in a Degree Apprenticeship and are not in full time employment please contact the university as we work with many employers and may be able to help you gain a placement with an employer.

Tuition fees for Degree Apprenticeship programmes are paid for by the employer, therefore, apprentices do not pay any tuition fees, however, as apprentices are in full-time employment they do not have student status and are not entitled to apply for student finance.

Degree Apprenticeship Programmes

Award	Course
BSc (Hons)	Digital and Technology Solutions (Cyber Security)
BSc (Hons)	Digital and Technology Solutions (Data Analysis)
BSc (Hons)	Digital and Technology Solutions (Network Engineering)
BSc (Hons)	Digital and Technology Solutions (Software Engineering)

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

Speak to a lecturer (we are here to help)

Abdul Razak

@ a.razak@bolton.ac.uk

📞 01204 903 476



Adam Isherwood

@ a.isherwood@bolton.ac.uk

📞 01204 903 075



Come and explore

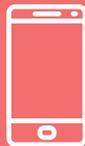
Open Days/Access All Areas

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





With excellent industry links,
courses developed to provide students with the knowledge, skills and attitude to succeed.

The School of Creative Technologies offers you the opportunity to become part of an exciting growing area of the creative industries sector.

Simon Wiggins

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 Senate House
- 2 The Calderwood Building
- 3 Bolton One
- 4 Innovation Factory
- 5 The Chancellor's Building & Social Learning Zone
- 6 The Chancellor's Mall
- 7 National Centre for Motorsport Engineering



Teaching
Excellence
Framework

+44 (0)1204 903 903

enquiries@bolton.ac.uk

www.bolton.ac.uk

Deane Rd, Bolton, BL3 5AB

/UniversityofBolton

@BoltonUni

@BoltonUni

/UniversityofBolton

Welcome to
#UniAsItShouldBe

