



UNIVERSITY OF
BIRMINGHAM

COLLEGE OF
ENGINEERING AND
PHYSICAL SCIENCES

University of Birmingham – BIT Partnership

Spring 2019



Welcome to the University of Birmingham!



UNIVERSITY OF
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COLLEGE OF
ENGINEERING AND
PHYSICAL SCIENCES





UNIVERSITY OF
BIRMINGHAM

COLLEGE OF
ENGINEERING AND
PHYSICAL SCIENCES

A leading global university



Awarded

Gold rating

in Teaching Excellence
Framework

**Top-20 – All major UK
league tables 2019:**

- 14th – Times and Sunday Times
- 15th – Complete University Guide
- 19th – Guardian University Guide

79th



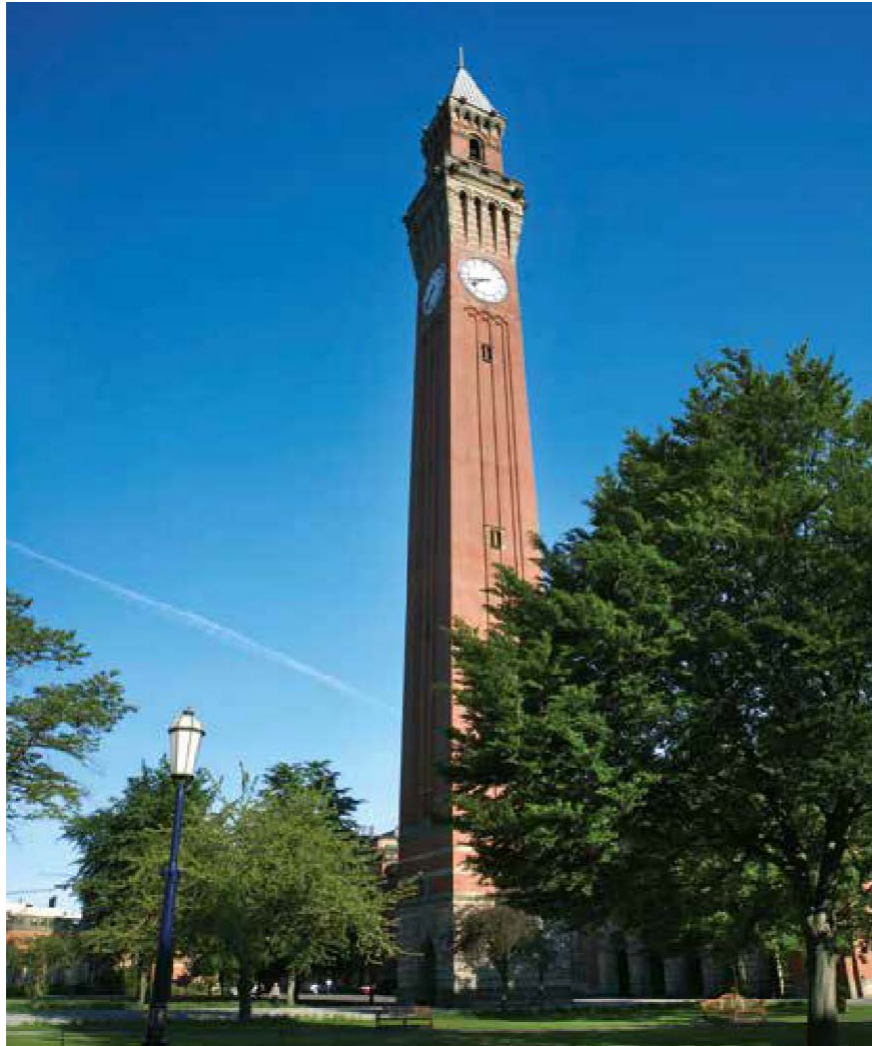
**QS WORLD
UNIVERSITY
RANKINGS**



**UNIVERSITY OF
BIRMINGHAM**

COLLEGE OF
ENGINEERING AND
PHYSICAL SCIENCES

The University of Birmingham!



£400 million

development including a state of the art library and sports facilities

Over

5000

international students

Largest free standing clock tower in the world

243 acre

parkland only 3 miles or 8 minutes by train from the city centre



UNIVERSITY OF
BIRMINGHAM

COLLEGE OF
ENGINEERING AND
PHYSICAL SCIENCES

Investing in our Campus

We are undergoing an extensive campus development programme worth £400 million over the next 5 years.

- Student Hub
- New student accommodation
- Library
- Sports Centre
- Green Heart (due to be completed in 2019)



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Accommodation

- Range of options including
 - Halls of Residence (Dorms)
 - Self Catering flats
 - Private Housing
- Most accommodation is 15 minutes walk from the University
- Guaranteed to new students who apply by the deadline (late July)



UNIVERSITY OF
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Nobel Prize winners

Francis Aston	1922	Chemistry Prize
Professor Norman Haworth	1937	Chemistry Prize
Lord Robert Cecil	1937	Peace Prize
Sir Peter Medawar	1960	Medicine Prize
Maurice Wilkins	1962	Medicine Prize
Professor Sir John Vane FRS, Sir Paul Nurse	1982 2001	Medicine Prize Medicine Prize
Professor Peter Bullock	2007	Peace Prize
Professor David Thouless and Professor J Michael Kosterlitz	2016	Physics Prize
Professor Sir J Fraser Stoddart	2016	Chemistry Prize



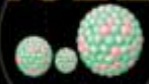
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Nobel Prize winners

UNIVERSITY OF
BIRMINGHAM
NOBEL PRIZE
WINNERS
MORE THAN
100 YEARS
OF RESEARCH
THAT MATTERS

1922
CHEMISTRY PRIZE
DISCOVERING ISOTOPES
Professor Francis W. Aston



1937
CHEMISTRY PRIZE
SYNTHESISING VITAMIN C
Professor Sir N. Norman Haworth



1937
NOBEL PEACE PRIZE
FOUNDING
THE LEAGUE OF NATIONS
Lord Robert Cecil



1960
PHYSIOLOGY OR MEDICINE PRIZE
PIONEERING ORGAN
TRANSPLANTS
Professor Sir Peter Medawar



1982
PHYSIOLOGY OR MEDICINE PRIZE
UNDERSTANDING
PAIN-RELIEF: ASPIRIN
Professor Sir John Vane



1962
PHYSIOLOGY OR MEDICINE PRIZE
REVEALING DNA STRUCTURE
Professor Maurice Wilkins



2001
PHYSIOLOGY OR MEDICINE PRIZE
INSPIRING CANCER
TREATMENTS
Professor Sir Paul Nurse



2007
NOBEL PEACE PRIZE
UNDERSTANDING
CLIMATE CHANGE
Professor Peter Bullock



2016
PHYSICS PRIZE
DEEPENING OUR
UNDERSTANDING OF
EXOTIC MATTER
Professor David J. Thouless
Professor J. Michael Kosterlitz



2016
CHEMISTRY PRIZE
PIONEERING MOLECULAR
MACHINES
Professor Sir J. Fraser Stoddart



**BIRMINGHAM
HEROES**
NOBEL PRIZE WINNERS



UNIVERSITY OF
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The University of Birmingham



Arts and Law

Social Sciences

Engineering
and Physical Sciences

Life and Environmental
Sciences

Medical and Dental
Sciences



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Birmingham

- Britain's second city, population of over 1 million
- Manufacturing heart of the UK and home to many advances in science and engineering, including the industrial steam engine
- Central location, 90 minutes from London
- International airport
- Multi-cultural city, 30% ethnic minorities, 44% under 30 years
- First class arts venues, one of Europe's largest shopping developments
- Host to international music and sporting events

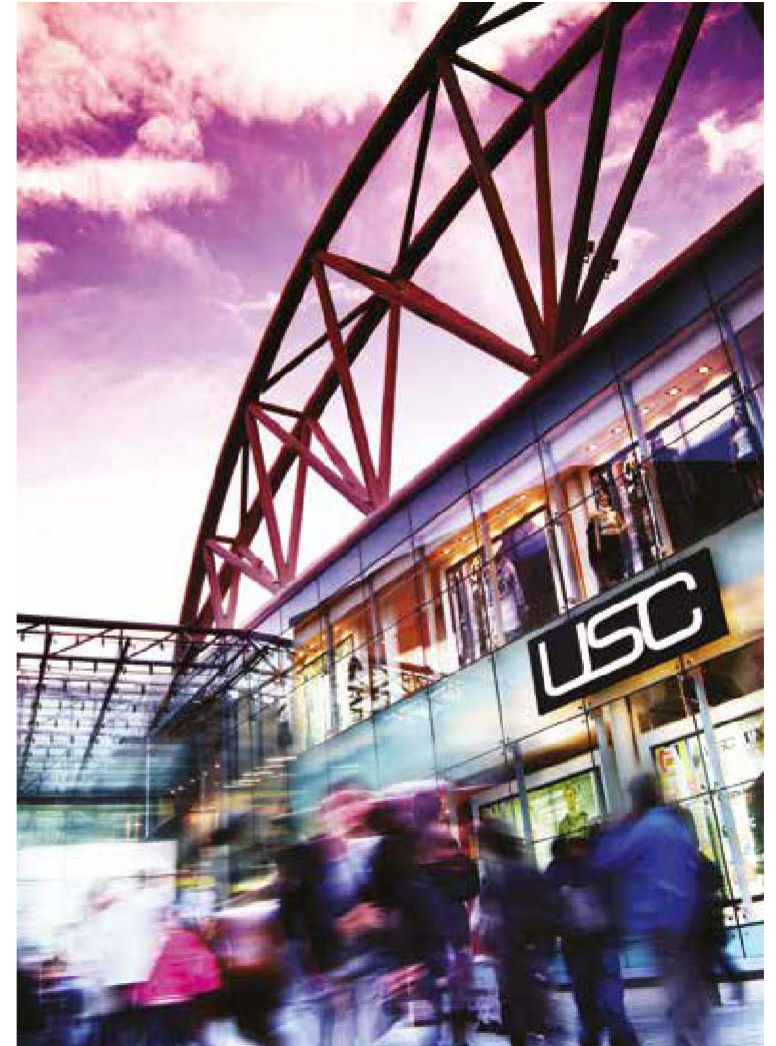
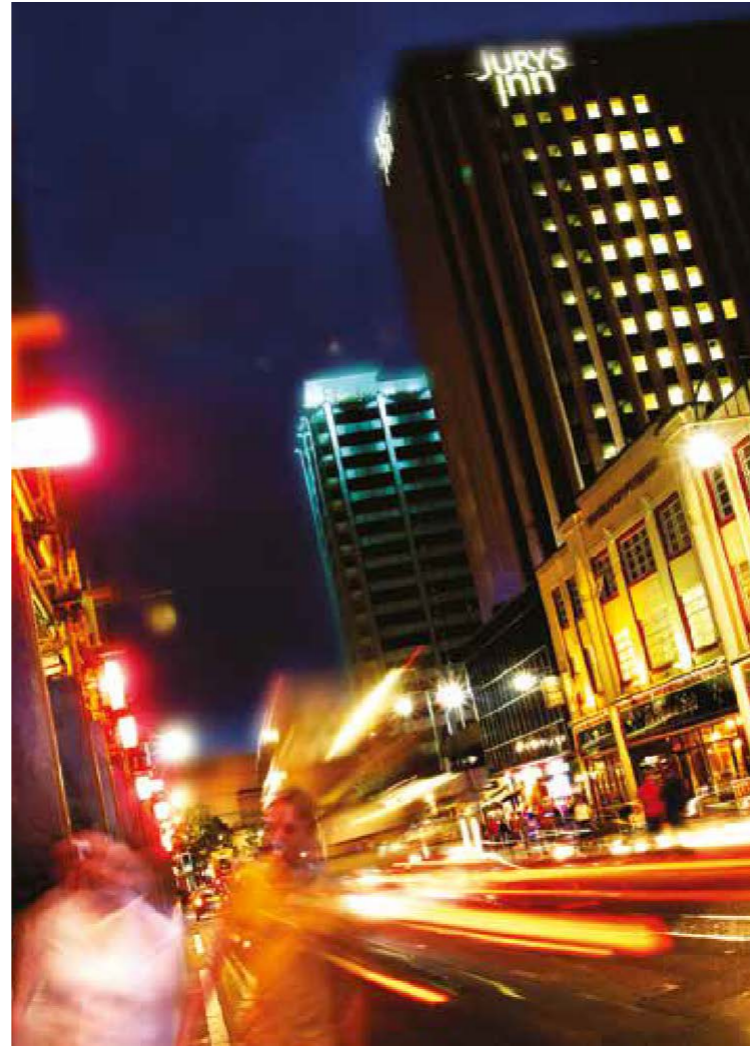
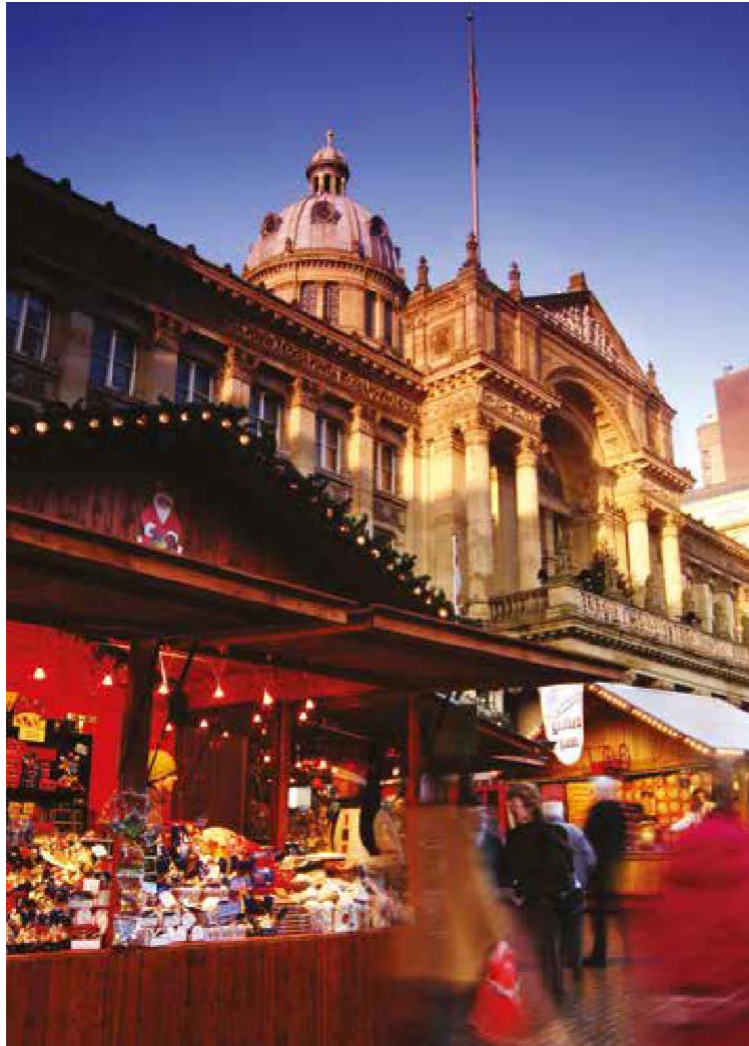


City of Birmingham



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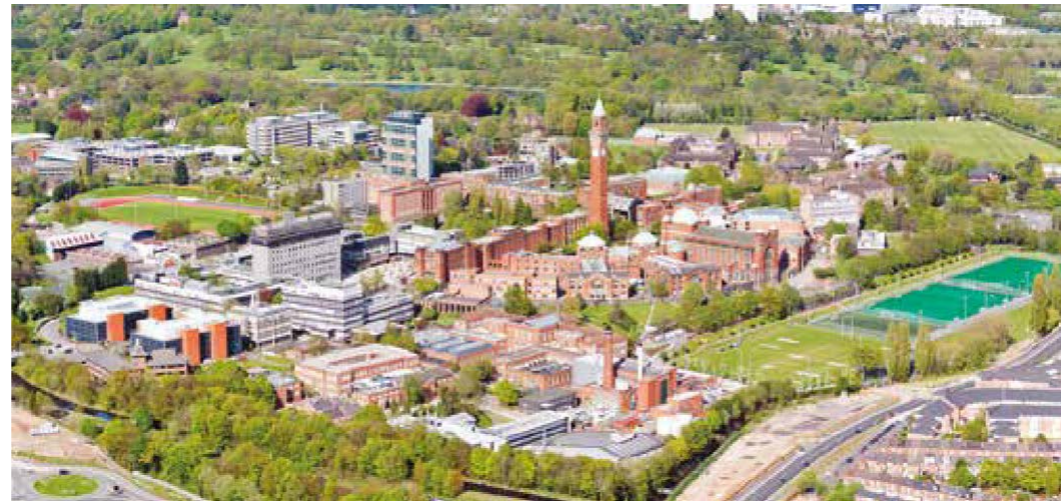


UNIVERSITY OF
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Our Campus

Beautiful,
green
campus



Sports facilities,
museum, art
gallery, music
venue

Bars, cafes, shops,
sports centre,
banks, doctors
surgery and dental
practice on campus

Safe,
secure and
friendly
environment

9 open-access
computer suites
and 2 e-learning
suites across
campus

Over 190
student
groups and
societies



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The University of Birmingham



Arts and Law

Social Sciences

Engineering
and Physical Sciences

Life and Environmental
Sciences

Medical and Dental
Sciences



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New facilities for STEM – The CTL



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New School of Engineering



- ❑ Flagship campus development
- ❑ Scheduled to open Summer 2020
- ❑ Combines 3 disciplines into a state of the art building
- ❑ Centre of excellence for railway engineering
- ❑ Computer clusters and study space

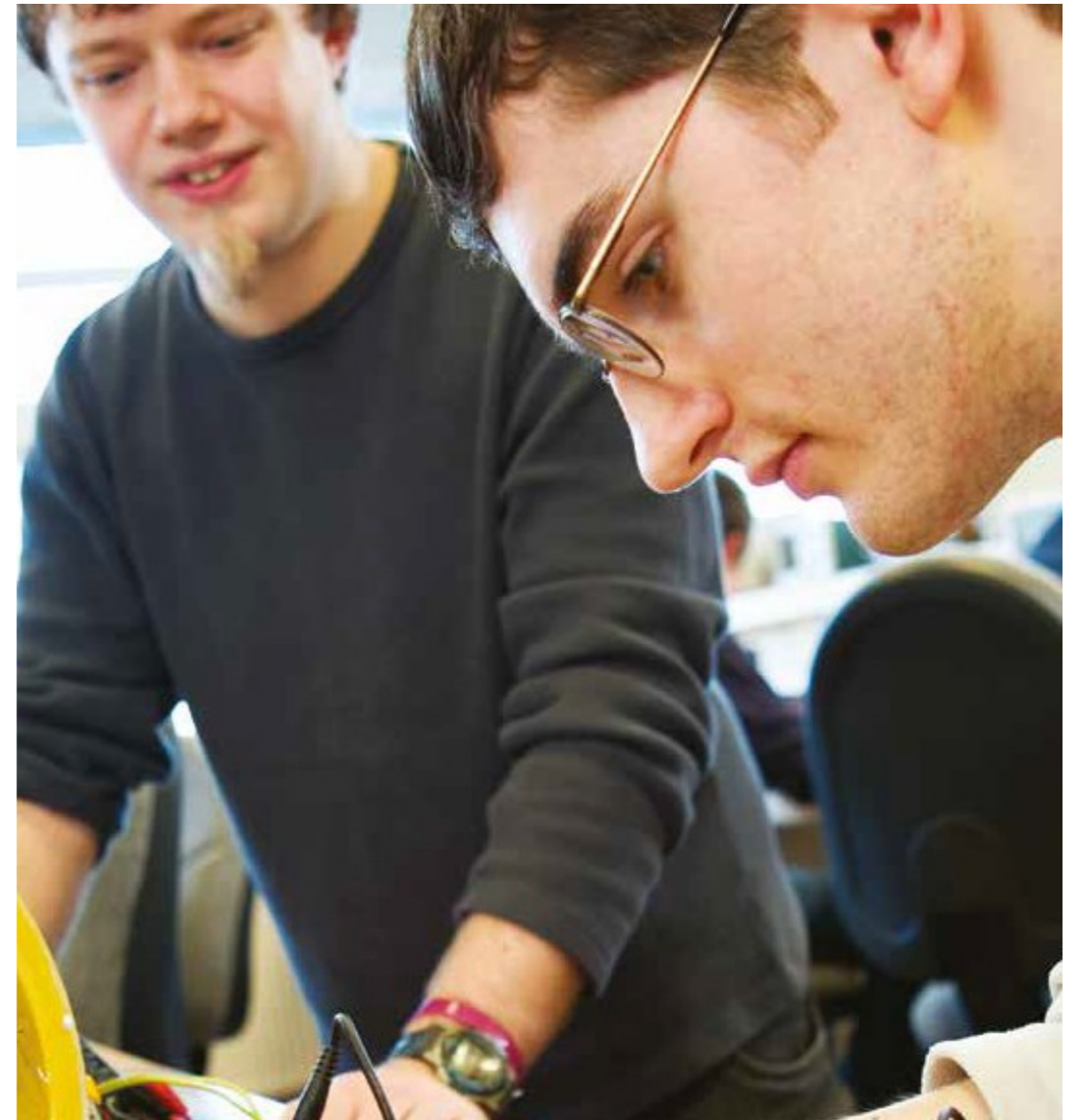


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Electronic and Electrical Engineering

- 4th in the Russell Group for both student satisfaction and employability (Complete University Guide 2017).
- 100% overseas employability and 95.3% overseas graduate employability (DLHE 2015/16)
- Research Addresses key challenges, problems and opportunities currently facing our civilization, in power, communications, transport, healthcare and Human-Systems integration.



EEE Graduate Employers



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Introduction to the UoB – BIT 2+2 partnership



UoB / BIT 2+2 Partnership - Key Facts

Who is eligible?

- Students who complete 2 years of the BIT Automation Undergraduate Programme

What can you study?

- BEng Electronic and Electrical Engineering
- BEng Electrical and Railway Engineering

What discounts can I receive?

- All BIT students admitted through the partnership will receive a 20% tuition fee discount per year of study

What degree will I receive?

- All BIT / UoB 2+2 students will receive a full University of Birmingham degree and transcript.



Assistance For Your Transfer

- Small tutor groups of 6/7, weekly tutorials – same tutor throughout your degree
- High contact hours
- Drop in sessions
- Pre-Sessional and In-Sessional English
- Friendly community for maths students – students and staff work together in the building, lots of social events, a very successful MathsSoc, a personal tutor to provide academic support as well as general welfare and advice



BIT 2+2 Requirements

Academic Requirements

- Complete Year 1 and Year 2 at BIT with GPA 3.0
- 60% of subjects must be major specific subjects
- Students must have passed all of the BIT major specific modules

English Requirements

Students must have one of the following qualifications:

- IELTS 6.0, with 5.5 in all components
- TOEFL 80 overall – 19 Reading, 19 Listening, 21 Speaking, 19 Writing



2+2 Application process

- **Online application available now**
- You will also need to submit
 - List of modules being studied in current semester
 - Copy of passport
 - Evidence of English language capability (eg. IELTS or TOEFL)
 - CV

If all documents are not uploaded at the time of application, you can login to upload them later.
- Once CAS is received, you can apply for your Visa
- Once you have accepted your offer, apply for accommodation (deadline end of July)



UG Fees and Discounts (2+2)

All students from BIT receive a 20% scholarship

Programme	Fees before discount	Tuition Fee Discount	Fees After Discount
Year 2 entry: BEng Electronic and Electrical Engineering (2+2) BEng Electronic and Railways Engineering (2+2)	£22,260	20% discount:	£17,808



Further study - MSc Programmes

- MSc Railway Systems Engineering and Integration
- MSc Railway Safety and Control Systems
- MSc Advanced Engineering Management
- MSc Advanced Engineering Management: Construction Management
- MSc Advanced Engineering Management: Project Management
- MSc Advanced Engineering Management: Operations Management
- MSc Advanced Engineering Management: Systems Management
- MSc Communications Engineering
- MSc Electrical Power Systems
- MSc Electronic and Computer Engineering
- MSc Computer Science *-For non-Computer Science graduates only*



Hints and tips

- Make sure you start to prepare for your IELTS well in advance in case of any difficulties.
- If you need a new passport, it is better to apply for this before you apply for your CAS;
- Term starts at the end of September / early October but aim to arrive one and a half weeks before - “Welcome Week”;
- You can contact us with any questions about life in the UK and studying at Birmingham;





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Contact us for more information:

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T: +44 (0) 121 414 8157

Birmingham WeChat
account:

