

MSc Electrical and Electronic Engineering

Location: London

Start date: September

Tuition Fees: £12,500

Scholarship: £1,000

Requirement: IELTS 6.0

WHAT WILL I LEARN?

Year 1

Students are required to study the following compulsory courses.

- Power Systems Analysis (15 credits)
- Technology Integration and Interfacing (15 credits)
- Design of Electronic Systems (15 credits)
- Embedded Electronics and Communications (15 credits)
- Individual Research Project (60 credits)
- Research, Planning and Communication (15 credits)

Students are required to choose 45 credits from this list of options.

- Advanced Design and Ergonomics (15 credits)
- Electrical Machines and Drives (15 credits)
- Future Technologies (15 credits)
- Power Electronic Converters (15 credits)
- Strategy & Management (15 credits)

MSc Electronic Engineering

Location: Coventry

Start: September, January

Tuition Fees: £14,311

Requirement: IELTS 6.5

Scholarship: £500 - £1,000 และถ้าจ่ายค่าเรียนเต็มจะได้รับส่วนลดเพิ่มอีก 5%

WHAT WILL I LEARN?

At the end of the programme students should be able to demonstrate knowledge and understanding of:

- advanced principles of electronic engineering and their relationship to contemporary, real-world applications;
- advanced analysis and design tools and processes relevant to the programme's subject areas;
- the implementation and critical evaluation of design solutions relevant to the subject areas through simulation and practical applications;
- the planning, execution and critical evaluation of projects in the field of electronic engineering at a professional or equivalent level, including contemporary research projects.

The mandatory study topics are as follows:

- VHDL for Digital System Design;
- Mathematics for Computing and Control;
- Linear Control Engineering;
- Microprocessor Applications;
- Sensor and Measurement Technology;
- Digital Signal and Image Processing;
- Individual Project.

The remainder of the taught programme is made up of two optional modules. The options available may vary from year to year but currently include:

- Digital Communication Systems;
- Computer Architecture and Principles;
- Wireless Intelligent Systems;
- Project Management.

The substantial individual project gives students the opportunity to work on a detailed area of related technology alongside an experienced academic supervisor. Some projects are offered in conjunction with the work of the academic researchers or industry.

Typical project titles include:

- Embedded network interface development for measurement instruments;
- Wireless sensors for industrial thermocouple temperature monitoring;
- Digital signal processing for security applications;
- Mobile robotics applications.

Nottingham Trent University

www.ntu.ac.uk

MSc Engineering (Electronics)

Location: Nottingham
Start date: September, January
Tuition Fee: £12,900
Scholarship: £2,000
Requirement: IELTS 6.5

Course content

Core modules

- Digital Control (20 credits)
- Embedded Systems (20 credits)
- Wireless Communications (20 credits)
- Group Design Project (20 credits)
- Major Project (60 credits)
- Research Methods (20 credits)

Optional modules

- Entrepreneurial Leadership and Project Management (20 credits)
- Global Business Management (20 credits)
- Software Engineering 1 (20 credits)

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University of Huddersfield

www.hud.ac.uk

MSc Electronic and Communication Engineering

Location: Huddersfield
Start: September, January
Tuition Fees: £13,000
Requirement: IELTS 6.0
Scholarship: £2,000 และถ้าจ่ายค่าเรียนเต็มจะได้รับส่วนลด £500

Course content:

- Digital Design
- Virtual Instrumentation
- Parallel Computer Architectures Computer Clusters
- Communication Systems
- Computers in Control
- Planning an Advanced Technical Project
- Advanced Technical Project

Every effort is made to obtain an industrial based project, but all projects are real and relevant.

MSc Electronic and Embedded Systems Engineering

Location: Huddersfield
Start: September
Tuition Fees: £13,000
Requirement: IELTS 6.0
Scholarship: £2,000 และถ้าจ่ายค่าเรียนเต็มจะได้รับส่วนลด £500

Course content:

Core modules:

- Embedded Systems
- Planning an Advanced Technical Project
- Digital Design
- Virtual Instrumentation
- Parallel Computer Architectures Computer Clusters
- Project Management
- Advanced Technical Project

You will undertake a Major Research Project which is supervised by a member of staff. Every effort is made to obtain an industrial based project but all projects are real and relevant.

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University of Portsmouth

www.port.ac.uk

MSc Electronic Engineering

Location: Portsmouth
Start date: September
Tuition Fee: £14,400
Scholarship: ทุนส่วนลด 10% และถ้าจ่ายค่าเรียนเต็มจะได้รับส่วนลด 2%
Requirement: IELTS 6.5

Course content

Here are the units you will study:

- VHDL and Digital Systems Design
- Advanced DSP Techniques

- Analytical Management Techniques
- Materials for Electronic Product
- Microwave and Wireless Technology
- Sensors and Measurement Systems

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Anglia Ruskin University

www.anglia.ac.uk

MSc Electronic and Electrical Engineering

Location: Cambridge

Start date: September (12 months), January (15 months)

Tuition Fee: £11,700

Scholarship: £1,000 (สำหรับ GPA 3.0+) และถ้าจ่ายค่าเรียนเต็มจะได้รับส่วนลด £500

Requirement: IELTS 6.5

Course content:

Core modules

- Sustainable Technologies
- DSP Applications and ARM® Technology
- Digital Systems Design with VHDL and FPGAs
- Power Conversion Systems
- Remote Sensing and the Internet of Things
- Research Methods
- Major Project

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University of Bedfordshire

www.beds.ac.uk

MSc Electronic Engineering

Location: Luton, Milton Keynes

Start date: September, March

Tuition Fee: £12,000

Scholarship: £1,500 (ถ้าจ่ายค่าเรียนเต็ม)

Requirement: IELTS 6.0

Areas of study include:

- Digital, Microwave and Optical Communications
- Wireless Embedded Systems
- Signals and Electronic Systems
- Research Methodologies and Project Management
- MSc Project – Electronic Engineering

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University of Greenwich

www.gre.ac.uk

MSc Electrical and Electronic Engineering

Location: London

Start: September

Tuition Fees: £12,500

Scholarship: £1,000

Requirement: IELTS 6.0

Course content:

Year 1

Students are required to study the following compulsory courses.

- Power Systems Analysis (15 credits)
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- Individual Research Project (60 credits)
- Research, Planning and Communication (15 credits)

Students are required to choose 45 credits from this list of options.

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- Future Technologies (15 credits)
- Power Electronic Converters (15 credits)
- Strategy & Management (15 credits)

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Brunel University

www.brunel.ac.uk

MSc Advance Electronic and Electrical Engineering

Location: London

Start date: September

Tuition Fee: £17,500

Requirement: IELTS 6.0

Course Content

Core Modules

- Project Management
- Advanced Analogue Electronics & Photonics
- Applied Sensors, Instrumentation and Control
- AEEE Group Project
- Power Electronics and FACTS

Optional Modules

- DSP for Communications
- RF & Optical Communication Systems
- Embedded Systems Engineering
- Intelligent Systems
- Computer Networks
- Analogue Inegrated Circuit Design
- Project/Dissertation

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University of Essex

www.essex.ac.uk

MSc Electronic Engineering

Location: Colchester

Start: October

Tuition Fees: £14,950

Requirement: IELTS 6.5 (with a minimum component score of 5.5)

Course content

Year 1

- MSc Project and Dissertation
- Electronic System Design & Integration
- Professional Practice and Research Methodology
- Programming Embedded Systems
- Programming in Python
- Theory of Signals and Systems
- Advanced Embedded Systems Design (optional)
- Creating and Growing a New Business Venture (optional)
- Digital Signal Processing (optional)
- High Level Logic Design (optional)
- Intelligent Systems and Robotics (optional)
- IP Networking and Applications (optional)
- Mathematical Research Techniques Using Matlab (optional)
- Mobile Communications (optional)
- Networking Principles (optional)

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MSc Electronic Engineering

Location: Manchester

Start: September, January

Tuition Fees: £14,400

Requirement: IELTS 6.5

Course content:

YEAR 1: This course can be taught full-time over 1 year, or part-time over 2 years. If taught full-time all units will be taken within 1 year.

Core units

- Embedded Systems and Systems on Chip
- MSc Engineering Project
- Embedded Systems Development

Option units

- Computer Engineering and CPU Design
- Digital Signal Processing
- Sustainable Energy Systems
- Sensing and Imaging
- Industrial Communication Systems
- Smart Technologies for Power Management
- Advanced Control and Instrumentation
- Management Practice
- Manufacturing Systems Management
- Rail Infrastructure and Engineering Strategy
- Industrial control, automation and communication
- Sustainable integrated power systems

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เอกสารที่ใช้ในการสมัครเรียน คือ

- Transcript
- ใบปริญญาบัตรจบ ป.ตรี (ถ้ามี)
- หนังสือรับรองการจบ (ถ้ายังไม่ได้รับใบปริญญา)
- หนังสือรับรองว่าจบหลักสูตร Inter. Program มา (ถ้าจบ Inter. Program มา)
- Resume / CV
- Statement of Purpose (SOP) (เขียนว่าทำไมถึงอยากเรียนสาขาวิชาที่นี่ประมาณ 1 หน้ากระดาษ)
- Recommendation Letter จากอาจารย์ / จากที่ทำงาน 2 ท่าน
- ผล IELTS (ส่งตามที่หลังได้)
- Copy passport

เอกสารที่ใช้ในการสมัครเรียน ถ้าไม่สะดวกที่จะเอาเข้ามาให้พี่ที่ออฟฟิศ น้องสามารถที่จะสแกนแล้วส่งเข้าอีเมลล์มาให้พี่ได้นะคะ ที่ leelar@studyoverseas.co.th ค่ะ ถ้าน้องมีคำถามเพิ่มเติมหรือต้องการข้อมูลเพิ่มเติมโทรสอบถามพี่ได้นะคะที่ 089-6820168 ค่ะ

Miss Leenar Tasukon
Education Counselor

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