

# School of Computing and Technology

## UG

We offer employment-focused education and research in computing, the built environment and engineering, which gives our students industry-relevant skills and knowledge.

### Undergraduate Courses

BSc (Hons) Computing and Information Systems	129
BSc (Hons) Computing Science	130
BSc (Hons) Information Systems for Business	131
BSc (Hons) Networking and Mobile Computing	132
BSc (Hons) Applied Sound Engineering	133
BSc (Hons) Built Environment – Architectural Technology	134
BSc (Hons) Built Environment – Construction Management	135
BEng (Hons) Civil and Environmental Engineering	136
BEng (Hons) Electrical and Electronic Engineering	137
BSc (Hons) Top-up – Engineering	139

## PG

### Postgraduate Courses

MSc Civil and Environmental Engineering	140
MSc Computing	141
MSc Computing Interaction Design	142
MSc Development and Management of Sustainable Built Environment	143
MSc Digital Services Architecture	144
MSc Information Management	145
MSc Information Systems	146
MSc Intelligent Computing Systems	147
MSc Network and Mobile Computing	148
MSc Software Engineering	149



# BSc (Hons) Computing and Information Systems

97% of students studying computing at the University of West London were satisfied with their whole experience.\*

**Award**  
BSc (Hons)

**UCAS Code**  
GG45

**Duration**  
Three years

**Start date**  
February and September

## Course overview

If you want to succeed in computing then there is no better place to do this than on our Computing and Information Systems course. By giving you the knowledge and skills, the tools, the techniques and the experience needed, this course provides you with a real foot in the door of this competitive world.

Computers are everywhere that we work, shop and play. This course will provide you with the theory, practice and application of computing and information systems in relation to the changing environment.

While no specific prior knowledge of information systems is required, you should be comfortable working in both a technical and business oriented discipline. Some prior interest in computer applications would be useful.

We encourage you to take part in any related work experience alongside your studies to provide you with an enriched learning experience. This experience can be in the form of an internship, a sandwich year, part-time or voluntary work. We aim to help every student gain this experience while studying our courses.

\* National Student Survey 2011

\*\*The Guardian University Guide 2012

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

## Modules

### Year 1

- Analysing Information Systems
- Computer Systems Fundamentals
- Information and Numerical Analysis
- Introduction to Internet Technology
- Professional and Problem Solving Skills
- Software Development.

### Year 2

- Database Design and Management
- Internet Technologies
- Professional IT
- Object Oriented Modelling
- Object Oriented Programming
- User Requirements Specification.

### Plus ONE option from:

- Interfaces and Human Computer Interaction
- Network Management.

### Year 3

- Advanced Databases
- Applied Software Engineering
- Development Methods
- IT Industry
- Project
- Project Preparation.

### Plus ONE option from:

- Enterprise Networking
- Information Systems Project Management
- Middleware Programming
- Strategies and Systems.

### English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

# No.2

modern university in  
London for Computer  
Science and IT\*\*



## Career options

On completion of the course students will be in a position to apply for various appointments in computing, including, Systems Analyst, Software Developer/ Programmer, Database Specialist, User Support and Usability Engineer.



Find out more at:  
**[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)**

Award  
BSc (Hons)

UCAS Code  
G401

Duration  
Three years

Start date  
February and September

# No.2

modern university in  
London for Computer  
Science and IT\*\*



### Career options

On completion of the course, students will be in a position to apply for various appointments in computing, including Software/Systems Architect, Systems/Network Engineer and Programmer/Software Developer.

# BSc (Hons) Computing Science

94% of students studying computing at the University of West London were satisfied with the learning resources.\*

### Course overview

If you want to succeed in computing then you need to learn about the fundamentals and science behind computing and there is no better place to do this than here at the University of West London.

Although the range of jobs within the IT industry has diversified greatly in recent years, there remains a core knowledge base that is central to many specialist areas within the field of computing. The underpinning discipline of computing science has itself evolved over the years, but remains a major route into the profession, particularly for those seeking a technical orientation.

This course will provide you with a key set of skills in the theory, practice and efficient application of computers in relation to the changing and challenging environment.

We encourage you to take part in any related work experience alongside your studies to provide you with an enriched learning experience. This experience can be in the form of an internship, a sandwich year, part-time, or voluntary work. We aim to help every student gain this experience while studying our courses.

\* National Student Survey 2011

\*\*The Guardian University Guide 2012

### Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### Modules

#### Year 1

- Analysing Information Systems
- Computer Systems Fundamentals
- Information and Numerical Analysis
- Introduction to Internet Technology
- Professional and Problem Solving Skills
- Software Development.

#### Year 2

- Algorithms and Data Structures
- Database Design and Management
- Functional Programming
- Internet Technologies
- Object Oriented Modelling
- Object Oriented Programming
- Professional IT.

#### Year 3

- Distributed Systems
- IT Industry
- Knowledge Based Technologies
- Middleware Programming
- Project
- Project Preparation.

#### Plus ONE option from:

- Computer Security
- Grid Computing.

Find out more at:  
[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)

#### English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

# BSc (Hons) Information Systems for Business

91 % of students studying computing at the University of West London were satisfied with the teaching on their course.\*

Award  
BSc (Hons)

UCAS Code  
G500

Duration  
Three years

Start date  
February and September

## Course overview

Information systems are a key business enabler for most companies in the 21st century and if you want to learn about how they help a business to operate there is no better place to do this than on our Information Systems for Business course.

To any business, high-quality information, processes and systems to manage or control data are critical. Without it, a business would find it impossible to plan and develop a vision for the future.

On this course, you will gain a solid understanding of the theory, practice and applications of information systems and how they work in an ever-changing way within a variety of businesses and organisations.

While no specific prior knowledge of information systems is required, you should at least be comfortable working in both a technical and business oriented discipline. We encourage you to take part in any related work experience alongside your studies to provide you with an enriched learning experience. This experience can be in the form of an internship, a sandwich year, part-time or voluntary work.

\* National Student Survey 2011

\*\*The Guardian University Guide 2012

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

## Modules

### Year 1

- Analysing Information Systems
- Information and Numerical Analysis
- Introduction to Internet Technology
- Organisational Behaviour
- Professional and Problem Solving Skills
- Software Development.

### Year 2

- Database Design and Management
- Operations Management
- Object Oriented Modelling
- Professional IT
- User Requirements Specification.

### Plus ONE option from:

- Interfaces and Human Computer Interaction
- Network Management.

### Year 3

- Advanced Business Systems
- Development Methods
- Information Systems Project Management
- IT Industry
- Project
- Project Preparation
- Strategies and Systems.

### English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

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## Career options

On completion of the course, students will be in a position to apply for various appointments in computing, including Business Analyst, Analyst/Programmer, User Support Specialist, Database Designer and IS Strategy.



Find out more at:  
**[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)**

Award  
BSc (Hons)

UCAS Code  
G421

Duration  
Three years

Start date  
February and September

# No.2

modern university in  
London for Computer  
Science and IT\*\*



### Career options

On completion of the course, students will be in a position to apply for various appointments in computing, including Network Engineer, Mobile Applications Programmer and Security Administrator.

# BSc (Hons) Networking and Mobile Computing

100% of students studying the course Networking and Mobile Computing at the University of West London were satisfied with their overall experience.\*

### Course overview

The internet and mobile technologies have become a revolutionary force in all our lives. They have redefined the way we communicate, work, shop and play. Within organisations, network and mobile technologies are now a critical part of effective business operations so now, more than ever before, network administrators and designers are essential to the success of almost all businesses.

You will have the opportunity to gain the industry standard CISCO Certified Networking Associate (CCNA) status. CISCO certification is recognised as the gold standard in the networking industry and this course enables you to build upon theory and obtain hands-on experience in how to solve real-life problems.

We encourage you to take part in any related work experience alongside your studies to provide you with an enriched learning experience. This experience can be in the form of an internship, a sandwich year, part-time, or voluntary work. We aim to help every student gain this experience while studying our courses.

\* National Student Survey 2011

\*\*The Guardian University Guide 2012

### Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### Modules

#### Year 1

- Problem Solving
- Software Development
- Introduction to Internet Technology
- Network Fundamentals
- Analysing Information Systems
- Information and Numerical Analysis.

#### Year 2

- Professional IT
- User Requirements
- Object Oriented Modelling
- Commercial Computing and Information Systems (CISCO)
- Wireless Application Development
- Mobile Technologies.

#### Year 3

- Compulsory Modules
- Project Preparation
- IT Industry
- Enterprise Networking
- Grid Computing
- Computer Security
- Project.

#### Plus ONE option from:

- Information Systems Project Management
- Distributed System.

#### English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

Find out more at:  
[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)

# BSc (Hons) Applied Sound Engineering

A course that provides a broad range of knowledge and skills combined with state-of-the-art facilities for students wanting to work in any area of sound engineering.

**Award**  
BSc (Hons)

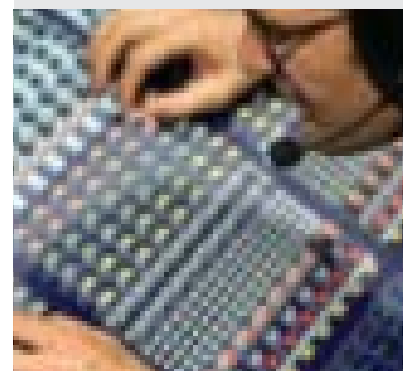
**UCAS Code**  
HH36

**Duration**  
Three years

**Start date**  
February and September

## No.2

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### Career options

On graduation you will be able to continue your studies at Masters level, choosing from a range of courses, including MA Advanced Music Technology and Record Production. You will also be equipped with the knowledge and practical skills to work in the audio and communications industries in a range of roles, including Sound System Designer, Engineer and Production.

### Course overview

Our course delivers both a solid understanding of sound engineering concepts as well as practical skills for design, appliance and maintenance tasks within the audio and communications industries.

The course exposes you to the latest developments in practice and ensures that you receive comprehensive theoretical knowledge and related academic instruction in the technical and scientific elements of sound and music technology.

Today's audio industry now requires you to have a broader academic background and a wider skill set than ever before. Our Applied Sound Engineering course will introduce the necessary theoretical and practical skills in sound engineering, electronic principles and sound production.

The music technology elements of the course focus on the use of contemporary music technology systems.

### Modules

#### Year 1

- Theory of Sound
- Engineering Mathematics
- Electrical Theory
- Studio Recording Techniques
- Engineering Applications
- Computer Music Systems.

#### Year 2

- Engineering Mathematics
- Analogue Electronics
- Computer Music Production
- Live Sound Reinforcement
- Computer Sound Synthesis
- Studio Recording Techniques.

#### Year 3

- Recording Studio Design and Acoustics
- Sound Recording Project
- Professional Studies
- Design Project
- Digital Signal Processing
- Sound for Picture.

\*\*The Guardian University Guide 2012

### Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

#### English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.



Find out more at:  
[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)



Award  
BSc (Hons)

UCAS Code  
K131

Duration  
Three years

Start date  
February and September

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### Career options

Once you have completed this course you will be able to pursue a career as an architectural technologist in the construction industry. You will also be equipped with the skills required for this role and learn skills that are transferable to other design roles within the field of built environment.

# BSc (Hons) Built Environment – Architectural Technology

Our course in Built Environment – Architectural Technology is accredited by the Chartered Institute of Architectural Technologies (CIAT) ensuring you receive a professional focused industry related start to your career.

### Course overview

Architectural technology is a practically focused technical design course. You will be trained and will study with the aim of taking on a professional role during the course. The skills you acquire are transferable to other design areas of built environment.

Architectural technologists use their technological knowledge to make sure building designs work as intended in real life. They work on domestic, commercial and industrial projects. Design and development is an increasingly complex issue. Reconciling the needs of the client, the community and the environment, the formation of design proposals and detailed decision-making, are challenging tasks, which require expert and professional judgment.

This course enables you to appreciate the interrelationships and multidisciplinary nature of built environment and gain a broad understanding of the work of fellow professionals in neighbouring disciplines. It also reinforces the attainment of sustainable design and construction.

\*\*The Guardian University Guide 2012

### Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### Modules

#### Year 1

- Core Studies
- Building Technology
- Health and Safety
- Planning and Building Regulations
- Management
- Design Procedures
- Construction Materials.

#### Year 2

- Advanced Technology
- Construction Laboratories
- Conversion and Adaptation
- Construction Law
- Design Technology
- Integrated Construction Project.

#### Year 3

- Construction Economics and Finance
- Applied Building Regulations
- Advanced Architectural Presentation
- Design Project
- Sustainable Building Technology
- Final Year Project.

### English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

# BSc (Hons) Built Environment – Construction Management

Our course in Built Environment – Construction Management is accredited by the Chartered Institute of Building (CIOB) and is also recognised by the Royal Institution of Chartered Surveyors (RICS) ensuring you receive a professional focused industry related start to your career.

**Award**  
BSc (Hons)

**UCAS Code**  
K221

**Duration**  
Three years

**Start date**  
February and September

## Course overview

Construction management is a vocationally orientated commercial and technical course. You will be trained for the professional role of construction or site manager. With a set of project management skills, a construction manager supervises and directs operations on a construction project, to ensure it is completed safely, on time and within budget.

With sole responsibility for the whole project, the construction manager is the first point of contact for the subcontractors and the public. This course enables you to develop an insight into various construction processes and techniques, as well as resource management and quality control.

## Modules

### Year 1

- Core Studies
- Building Technology
- Health and Safety
- Planning and Building Regulations
- Management
- Measuring, Tendering and Estimating
- Construction Materials.

### Year 2

- Advanced Technology
- Construction Laboratories
- Project Planning
- Construction Law
- Business Management
- Integrated Construction Project.

### Year 3

- Construction Economics and Finance
- Applied Building Regulations
- Facilities Management
- Contract Administration
- Sustainable Building Technology
- Final Year Project.

\*\*The Guardian University Guide 2012

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

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## Career options

Once you have graduated from this course you could work in construction management, but many also follow careers in project management, financial management and property development. Contractors, developers, professional consultancies, client organisations, central government and local authorities are common employers of construction management graduates.



Find out more at:  
**[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)**



Award  
BEng (Hons)

UCAS Code  
H290

Duration  
Three years

Start date  
February and September

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# BEng (Hons) Civil and Environmental Engineering

Our course is accredited by the Institution of Civil Engineers (ICE), the Institution of Structural Engineers (IStructE), the Chartered Institution of Highways and Transportation (CIHT) and the Institute of Highway Engineers (IHE).

## Course overview

Civil and Environmental Engineering is a vocationally orientated commercial and technical course and you will be trained for the technical role of Civil or Environmental Engineer. Civil Engineers are involved in the planning, design and construction of large and small infrastructure and construction projects from roads, rail and bridges to flood defences, dams and buildings.

Our course is designed to give you the technical and management skills required to fulfil various roles within the industry. On successful completion of the course, you will be able to seek Incorporated Engineer status.

## Modules

### Year 1

- Core Studies
- Health and Safety
- Mathematics for Civils
- Civil Engineering Practice
- Civil Engineering Construction
- Structural Mechanics
- Construction Materials.

### Year 2

- Fluid Mechanics
- Geology and Elements of Soil Mechanics
- Construction Laboratories
- Design of Structural Elements
- Transport
- Integrated Construction Project.

### Year 3

- Commercial Management
- Geotechnical Design
- Sustainable Civil Engineering
- Sustainable Building Technology
- Environmental Protection Engineering
- Final Year Project.

## Career options

On graduation you will be equipped with the skills required for this role; however you will also learn skills that are transferable to other roles within the field of engineering. Typically, graduates work in civil engineering and environmental engineering; however their skills are commonly used in project management by contractors, developers, professional consultancies, water companies and client organisations.

\*\*The Guardian University Guide 2012

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

## English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.



Find out more at:  
**[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)**

# BEng (Hons) Electrical and Electronic Engineering

Our course in Electrical and Electronic Engineering is accredited by the Institute of Engineering and Technology (IET) ensuring you receive a professional, focused, industry-related start to your career.

**Award**  
BEng (Hons)

**UCAS Code**  
H660

**Duration**  
Three years

**Start date**  
February and September

## Course overview

Creativity and problem-solving is what engineering is about. This course provides you with the opportunity to gain relevant practical skills using state-of-the-art technology to produce practical and innovative solutions to a wide range of engineering problems.

The course structure provides you with the opportunity to specialise in the final year. The course has strong industrial links and has academic partnerships within the IET and will provide you with opportunities of professional career workshops and employer engagement, which will equip you with desirable transferable skills enhancing your employment prospects.

## Modules

### Year 1

- Project Planning
- Mathematics for Engineering
- Electrical Theory
- Engineering Applications
- Engineering Software
- Engineering Science.

### Year 2

- Mathematics for Engineering
- Electrical Theory
- Project Management
- Business Environment
- Control Theory and Practice
- Power Systems
- Analogue Electronics
- Digital Electronics
- Embedded Systems
- Communication Systems
- Engineering Creative Design.

### Year 3

- Renewable/Sustainable Energy
- Power Electronics
- Power Networks
- Mobile and Satellite Communications
- Digital Signal Processing
- Analogue Systems
- Digital Systems Design
- Professional Studies
- Sustainable Design.

\*\*The Guardian University Guide 2012

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

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## Career options

Electrical and electronic engineering is a highly employable career, providing a wide range of opportunities in industries other than mainstream engineering such as IT, finance and management. You will be provided with the opportunity to develop essential industry desirable transferable skills such as critical thinking, analysis, problem-solving and IT on this course.



Find out more at:  
**[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)**



# BEng (Hons) Top-up Engineering

Creativity and problem-solving is what Engineering is about. With our course you will study in London, progress your existing qualifications to degree level and develop your knowledge and skills using state-of-the-art technology to produce practical and innovative solutions to a wide range of engineering problems.

## Course overview

This course is primarily available to international students only. You will study alongside other full-time students on year three modules from our portfolio of IET accredited courses. It is most suitable for electrical and electronic students but options are available if you come from a communications background.

The wide range of topics covered have been chosen to assist you in positioning yourself as an engineer with holistic cutting-edge solutions to real-life challenges in your society. As an engineer, you will learn how the products and services developed interact with the larger environment. You will also explore broader topics such as finance, professional responsibility and ethical considerations, environmental and sustainability considerations.

The Development Project module will allow you to undertake research in an area of your choice to demonstrate your ability to develop a viable solution to a given problem.

## Modules

- Power Networks
- Sustainable Design
- Communication Systems
- Mobile and Computer Networks
- Power Control Systems
- Engineering Dynamics
- Analogue Systems
- Digital Signal Processing
- Control Systems
- Digital Control Systems
- Development Project.

## Course Highlights

Dedicated staff expertise with ongoing industry connections; top modern university with international focus; strong industry connections.



## Career options

You will be equipped to pursue either a technical or managerial career within engineering and related industries, developing products requiring mechanical and electrical interfaces.

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 5.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.



Find out more at:  
[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)

Award  
Masters

Duration  
One year

Start date  
February and September

### Course Highlights

For civil engineers seeking chartered status, developing skills in structural analysis and design, environmental issues, hydraulics, simulation tools and sustainability.



### Career options

As a qualified civil engineer with advanced training, graduates will be in demand in the construction industry worldwide. Alternatively, you may choose to use this course as the basis for further education, or a research position.

Find out more at:  
[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)

# MSc Civil and Environmental Engineering

This course enables civil engineers to complete their technical academic requirements for chartered status along with enhancing their key skills in structural analysis and design, hydraulics, environmental protection and using simulation packages.

### Course overview

This course is designed to advance your analytical and design skills in the core subject areas of civil engineering including structural analysis, hydraulics and environmental and sustainability issues.

The application of modern IT techniques, such as the use of simulation tools, to complex problem-solving is a theme that runs through the course. Additionally, the environmental and sustainability agenda has been built into the course and is exercised primarily through a group sustainability project. This course also covers the broader issues of project and process management within the field of Civil Engineering.

### Modules

- Structural Design and FEA
- Project Management and Control
- Computational Modelling
- Sustainability Study Group Project
- Hydraulics and Environmental Protection
- Research Methods
- Dissertation.

### Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

# MSc Computing

This course has been developed in response to the demand from industry for technologists who have a systematic understanding of the principles and technologies underpinning today's highly integrated distributed computing systems.

## Course overview

This course builds upon typical computing courses available at undergraduate level and develops new knowledge and skills in areas critical to the introduction and success of modern information systems for enterprises.

Large-scale information systems have a number of significant requirements including; efficient storage, wide distribution and access of information from different channels. In turn, these impose requirements on design/development approaches that allow for business change and recognise that successful, large-scale information systems need to be embedded within an enterprise. Specifically, the course addresses component-based and service-based architectures and the underlying modelling techniques supporting such architectures.

## Modules

- UML Component Modelling
- Knowledge Management
- Computer Networking (optional)
- Interactive Systems Prototyping (optional)
- Distributed Application Development
- Advanced Rich Media
- Research Methods
- Dissertation.

## Course Highlights

Offers techniques for systems design and principles behind modern, distributed systems and the development of integrated services.



## Career options

This course will prepare you to work in a rapidly evolving and technologically diverse environment, and provide a solid foundation for applied research in distributed systems technology. Typical career paths include Technical Architect, Functional Architect and Software Engineer.

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.



Find out more at:  
[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)



Award  
Masters

Duration  
One year

Start date  
February\* and September

\* The end date for February starters will be 15 months after the course starts due to summer holidays in-between semesters.

### Course Highlights

The course integrates both technical and creative skills that are needed for usable successful interactive products.



### Career options

The course aims to provide routes into a number of career options focused on user interface design and usability. Some of the options include Interaction Designer, Senior Usability Consultant and Information Architect.

Find out more at:  
[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)

# MSc Computing Interaction Design

This course is focused on design and, in particular, user-centered design where users are central to the process. This course provides important skills and advanced knowledge to support the management of relationships for remotely distributed design and development teams.

### Course overview

Interaction design is becoming more challenging because advances in technology are changing the nature of interactive systems. Users need to be placed at the centre of the design process for rapid application development, and agile and extreme programming.

This course focuses on a specific element of the systems design process, namely the capture of requirements, the design of user interactions and their presentation to the user in increasingly creative formats.

The course provides a critical understanding of how interactive systems are designed and constructed including a systematic approach to understanding user-centred interaction design. It will equip you with the skills to design creatively different types of interactive systems.

### Modules

- Advanced Rich Media
- Design for Mobile Devices
- Interactive Systems Prototyping
- Consultancy and Technical Innovation (optional)
- Project Management (optional)
- User-centred Design
- Research Methods
- Dissertation.

### Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

# MSc Development and Management of Sustainable Built Environment

The built environment requires the developers to deal with environmental and sustainable design and management. This course provides advanced skills and knowledge across a key set of subjects required including group project and individual dissertation.

**Award**  
Masters

**Duration**  
One year

**Start date**  
February\* and September

\* The end date for February starters will be 15 months after the course starts due to summer holidays in-between semesters.

## Course overview

This course covers the integrated and comprehensive knowledge and skills required in promoting the sustainable built environments throughout the life cycle of building development projects.

The course is designed to advance analytical knowledge and skills in sustainable development and management in built environment, for the students and industrial practitioners from broad areas in the AEC (Architecture, Engineering and Construction) industry, such as Architectural Design and Technology, Construction Management, Quantity Surveying, Civil and Structure Engineering, Building Service Engineering, Real Estate Development, and Building maintenance and operation.

Students will work on a group project and individual dissertation to provide additional practice in environmental and sustainable design and life cycle management.

## Modules

- Sustainable Building Development and Design
- Sustainable Building Technologies and Services
- Built Environment Management and Process
- Finance and Commercial Management
- Sustainability Study Group Project
- Research Methods
- Dissertation.

## Course Highlights

Professional course aimed at the development and management of the sustainable built environment and environmental issues.



## Career options

The graduates from this course will be in demand in the construction industry worldwide. Graduates may find employment opportunities in:

- Property development
- Urban planning and design
- Architectural design
- Building Engineering Consultancy (structure/building services/client engineers)
- Contractors
- Local/national government
- Facility management.

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.



Find out more at:  
**[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)**

Award  
Masters

Duration  
One year

Start date  
February\* and September

\* The end date for February starters will be 15 months after the course starts due to summer holidays in-between semesters.

### Course Highlights

The course provides a sound foundation in information and knowledge management with a specialised perspective towards digital content and services/system architecture.



### Career options

This course aims to provide routes into a number of career options. Employers require system designers and architects, web platform designers, web editors, content managers, database managers, digital archivists and curators. They use the ICTs for business processes, generate and use data and information, engage in communication and need information and knowledge to achieve their goals.



Find out more at:  
[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)

# MSc Digital Services Architecture

This course provides a sound foundation in information and knowledge management with a specialised perspective on digital content, digital information management and digital services/system architecture.

### Course overview

The course provides a sound foundation in information and knowledge management with a specialised perspective towards digital content, digital information management and digital services/system architecture. These are requisites for a career as an information professional with expertise in digital resources.

Knowledge management has developed from both within the information management paradigm and from the business and organisational community more generally. The field of Information Management (IM)/Knowledge Management (KM) is now well established and there is a market for practitioners who are able to develop, manage and extract knowledge from large data for effective business enablement.

### Modules

- Consulting and Technology Innovation
- Project Management
- Organisation, Strategy, Delivery and Marketing
- Web Services and Technologies
- Distributed Application Development
- UML Component Modelling
- Information and Communication Practice
- Research Methods
- Dissertation.

### Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

# MSc Information Management

Information Management encourages you to explore the domain and information professional practice in an interdisciplinary perspective.

**Award**  
Masters

**Duration**  
One year

**Start date**  
February\* and September

\* The end date for February starters will be 15 months after the course starts due to summer holidays in-between semesters.

## Course overview

Information management provides a strategic umbrella to encompass the complementary diversity of librarianship, the creation and dissemination of information, the application of information systems and digital technology, and the management and exploitation of information in organisations.

Information management as a field offers a fusion of the two strands of information and technology. Knowledge management has developed from both within the information management paradigm and from the business and organisational community more generally.

The generic professional field of Information Management (IM)/ Knowledge Management (KM) is now well established and the course offers an effective foundation upon which to develop a career.

## Modules

- Information and Communication Practice
- Organisation, Strategy, Delivery and Marketing
- Consultancy and Technology Innovation
- Project Management
- Knowledge Management
- Content Management
- Web Services and Technologies
- Advanced Rich Media
- Research Methods
- Dissertation.

## Course Highlights

The course offers the diversity of librarianship, creation and dissemination of information, and the management and exploitation of information in organisations.



## Career options

The course provides routes into a number of career options, including librarians, information service staff, content and intelligence gatherers and analysts, researchers, editors, advice and assistance workers, data managers, management information systems staff, as well as multimedia content workers, mapping specialists and cartographers, marketing research, public relations and communication staff.

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.



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Award  
Masters

Duration  
One year

Start date  
February\* and September

\* The end date for February starters will be 15 months after the course starts due to summer holidays in-between semesters.

### Course Highlights

These courses provide up-to-date and detailed knowledge of how large-scale information systems are designed, implemented and integrated into organisations.



### Career options

This course aims to provide routes into a number of career options, including as a Senior Business Analyst, involved as part of a team in the analysis and functional design of systems, and as a Functional Architect/ Team Leader (leading to Project Manager), responsible for requirements management and client relationship management.



Find out more at:  
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# MSc Information Systems

This course builds upon typical computing courses available at undergraduate level and develops new knowledge and skills in areas critical for the successful introduction of information systems into business enterprises.

### Course overview

Information systems today are large, complex, distributed and serve a number of different types of stakeholders who use a variety of devices to access information. Recognising the diverse business needs and the array of technology drivers, computing specialists who have a systematic approach to understanding the impact of technology on organisations are an important element to the success of any IS/IT strategy of a business.

This course builds upon typical computing courses available at undergraduate level and develops new knowledge and skills in areas critical for the successful introduction of information systems into business enterprises.

### Modules

- UML Component Modelling
- Knowledge Management
- Consultancy and Technical Innovation
- User-Centred Design
- Advanced Rich Media (optional)
- Project Management (optional)
- Research Methods
- Dissertation.

### Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

# MSc Intelligent Computing Systems

This course builds upon typical computing courses available at undergraduate level and develops new knowledge and skills in knowledge-based computing and artificial intelligence which are critical to the success of information systems for enterprises.

## Course overview

Knowledge-based computing systems provide decision support in many domains based on methods and techniques of artificial intelligence. Such intelligent systems, as well as semantically enabled environments (eg Smart Homes and ambient intelligent environments) involve a high dependence on ICT platforms, digital resources and the web.

This programme is centred on an important knowledge-based approach, namely case-based reasoning (CBR), a problem-solving paradigm that does not rely solely on general knowledge of a problem domain. CBR is able to utilise the specific knowledge of previously experienced, concrete problem situations.

## Modules

- Case-based Reasoning
- Interactive Systems Prototyping
- Advanced Topics in Artificial Intelligence
- Advanced Topics in Software Engineering
- Mobile Application Development (optional)
- User-centred Design (optional)
- Web Services and Technologies (optional)
- Research Methods
- Dissertation.

## Course Highlights

The course introduces knowledge-based computing systems providing decision support in many domains based on methods and techniques of artificial intelligence.



## Career options

The course aims to provide routes into a number of career options focused on knowledge-based technologies such as Knowledge Engineers, Technical Consultants, and Specialised Software Engineers.

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.



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Award  
Masters

Duration  
One year

Start date  
February\* and September

\* The end date for February starters will be 15 months after the course starts due to summer holidays in-between semesters.

### Course Highlights

The course covers networking, mobile technologies and software development technologies for today's distributed computer networks.



### Career options

The course aims to provide routes into a number of career options focused on network management, network security as well as the development of distributed and mobile computing applications.

Find out more at:  
[www.uwl.ac.uk/yourcountry](http://www.uwl.ac.uk/yourcountry)

# MSc Network and Mobile Computing

This course has been developed in response to the employment and training needs of the rapidly developing networking and mobile communications industries. It covers advanced networking, mobile technologies and software development technologies that are essential for the development of today's distributed computer networks, including mobile devices.

### Course overview

This course will provide you with the essential knowledge that you will need in your career to design, upgrade and manage computer networks and mobile communication systems. This course focuses on design and implementation and is suitable for you if you have a technical background.

The course covers computer networking, security and mobile devices, and applications and project management. There is an option between UML Component Modelling or Designing Mobile Devices, which further addresses tools and techniques for mobile application development. Part of the course has been developed with industry to provide hands-on experience developing software for mobile devices. An open source approach to software development is used. The course also addresses the rapidly changing and essential area of network security.

### Modules

- Computer Networking
- UML Component Modelling (optional)
- Designing Mobile Devices (optional)
- Project Management
- Mobile Application Development
- Network Security
- Research Methods
- Dissertation.

### Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.

# MSc Software Engineering

This course aims to equip students for professional careers in this important field. It provides a practical understanding of the issues relating to the design, analysis and implementation of modern software systems.

**Award**  
Masters

**Duration**  
One year

**Start date**  
February\* and September

\* The end date for February starters will be 15 months after the course starts due to summer holidays in-between semesters.

## Course overview

This course is suitable for all students with a background in IT and who want to specialise in Software Engineering.

The course builds skills that are necessary to tackle modern software systems in an industrial context. It develops an appreciation of all features of commercial Software Engineering using industrial standard technologies and provides the opportunity to specialise in topics ranging from software project management to implementation techniques.

## Modules

- Project Management (optional)
- Interactive Systems Prototyping (optional)
- UML Component Modelling
- Distributed Application Development
- Advanced Topics in Software Engineering
- Knowledge Management
- Research Methods
- Dissertation.

## Course Highlights

The course covers commercial Software Engineering and provides the opportunity to specialise in topics ranging from project management to implementation.



## Career options

Graduates in Software Engineering can expect to achieve well-paid positions in the software industry such as Software Architect, Solution Architect, Project Manager or Senior Software Developer.

## Entry requirements

The University of West London recognises and accepts a large number of international qualifications. Check our website for more information.

### English language requirement:

- IELTS at 6.5 or above overall score with 5.5 in each band (reading, writing, speaking and listening) or an equivalent English language test.



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