

the making of: you

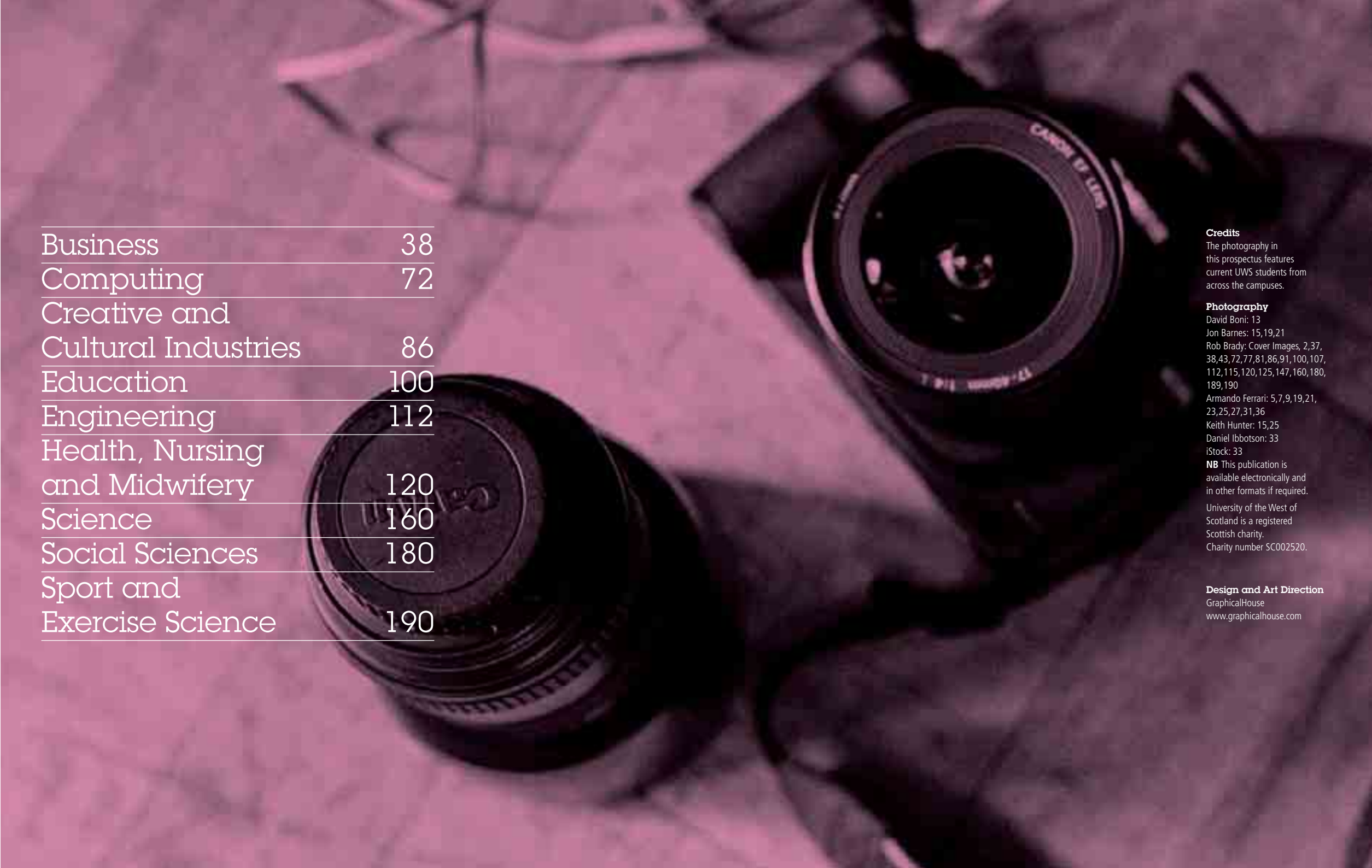
UWS Postgraduate and Post-experience Prospectus 2012

UWS UNIVERSITY OF THE
WEST of SCOTLAND

uni-direct@uws.ac.uk
www.uws.ac.uk

the making of: you

Postgraduate
and Post-experience
Prospectus 2012
www.uws.ac.uk



Business	38
Computing	72
Creative and Cultural Industries	86
Education	100
Engineering	112
Health, Nursing and Midwifery	120
Science	160
Social Sciences	180
Sport and Exercise Science	190

Credits

The photography in this prospectus features current UWS students from across the campuses.

Photography

David Boni: 13
Jon Barnes: 15, 19, 21
Rob Brady: Cover Images, 2, 37, 38, 43, 72, 77, 81, 86, 91, 100, 107, 112, 115, 120, 125, 147, 160, 180, 189, 190
Armando Ferrari: 5, 7, 9, 19, 21, 23, 25, 27, 31, 36
Keith Hunter: 15, 25
Daniel Ibbotson: 33
iStock: 33

NB This publication is available electronically and in other formats if required.

University of the West of Scotland is a registered Scottish charity.
Charity number SC002520.

Design and Art Direction

GraphicalHouse
www.graphicalhouse.com

SUCCESS TAKES KNOW HOW. TOGETHER WE'VE GOT IT.

WHETHER YOU WANT TO GAIN A COMPETITIVE EDGE IN THE JOB MARKET OR ARE LOOKING TO GET AHEAD IN YOUR CAREER, THERE'S NEVER BEEN A BETTER TIME TO CHOOSE UNIVERSITY OF THE WEST OF SCOTLAND FOR POSTGRADUATE OR POST-EXPERIENCE STUDY.

Our range of taught postgraduate or post-experience programmes and wealth of research opportunities makes UWS a popular choice with students. With career-focused courses designed in partnership with business and industry, you can rest assured whichever option you choose, you'll make an immediate impact when you graduate.

There are two main routes of study to choose from:

TAUGHT PROGRAMMES

You could opt for one of our taught programmes, offered across a wide range of subject areas, usually available at the following levels:

- MSc – around 1 year (full-time)
- Postgraduate Diploma – around 9 months (full-time)
- Postgraduate Certificate – around 6 months (full-time) – (normally an exit award)

Most of our taught programmes can be studied on a full or part-time basis, offering the flexibility to fit study around other commitments. Our post-experience programmes provide professionals with the opportunity to up-date their skills or advance career goals. Some programmes are also offered by distance or open learning – meaning you can study wholly online with tutor and peer support, or study online and visit the campus occasionally for classes.

RESEARCH

Higher degrees by research including PhD, MPhil and MRes awards are offered on a full-time, part-time and distance learning basis across a range of University subjects. Find out more about research opportunities at the University on page 26.

The photography in this prospectus features UWS students from across the campuses. We set up a day of photography and invited our students to participate. The photography in this prospectus shows the results. Our thanks to everyone who got involved.

SECTION CONTENTS

FAST FACTS	04
CAREER SUPPORT	06
SKILLS FOR LIFE	08
HERE FOR YOU	10
MONEY MATTERS	12
CAMPUSES	13
AYR CAMPUS	14
DUMFRIES CAMPUS	16
HAMILTON CAMPUS	18
PAISLEY CAMPUS	20
CLUBS AND SOCIETIES	22
ACCOMMODATION	24
RESEARCH AT UWS	26
ADVICE FOR INTERNATIONAL STUDENTS	30
AN INTERNATIONAL ENVIRONMENT	30
STUDY IN SCOTLAND	32
LOOKING OUT FOR YOU	34



the
making
of: you

FAST FACTS

UWS IS SCOTLAND'S LARGEST MODERN UNIVERSITY, BUT HAS ORIGINS DATING BACK TO OVER 100 YEARS AGO.

With just under 20,000 students, and campuses across the West of Scotland in Ayr, Dumfries, Hamilton and Paisley, the University occupies an integral position within Scotland's proud tradition of excellence in education.

Our robust links with business, industry and the public sector allied with an extensive range of part-time and continuing professional development (CPD) options makes us an attractive choice for a diverse range of scholars. Responsive to change and evolving in line with contemporary conditions, UWS offers a bright future for modern students seeking a competitive edge.

Our highly vocational programmes produce graduates with strong employment skills. Responsive, welcoming and alive with possibilities, make sure UWS is your first choice for study.

- **£250 million+ investment programme underway**
- **Outstanding new £70 million Ayr Campus and new student residences opened September 2011**
- **New student residences opening in Paisley**
- **The 2008 RAE (Research Assessment Exercise) awarded their highest rating possible of 4* to six UWS research areas and 'International Excellence' in a further seven**
- **Around 1,400 international students**
- **The first UK university to be accredited by Microsoft, Adobe and Cisco**

Programmes offered in business; computing; education; social sciences; health, nursing, midwifery; creative & cultural industries; science; engineering; and sport and exercise science.

*4 star research representation in Allied Health Professions and Studies; Accounting and Finance; Business and Management Studies; Social Work and Social Policy & Administration; Education; and Communication, Cultural and Media Studies (Research Assessment Exercise 2008).

Education 
SCOTLAND
Innovative. Individual. Inspirational.

Working with the British Council

University of the West of Scotland works closely with the British Council. For your nearest British Council office, please visit www.britishcouncil.org/new At the top right of the page click on UK site (select another country site), and choose the appropriate country.

Details of UWS' worldwide representatives can be found at www.uws.ac.uk/international/countrycontacts.asp



Silvio Hofmann
Business School student

"I first got a taste for student life at UWS on the Erasmus programme. The experience convinced me UWS was the place to study for my PhD."

CAREER SUPPORT

HOLDING A POSTGRADUATE OR POST-EXPERIENCE QUALIFICATION CAN GIVE YOU AN ADVANTAGE IN THE JOB MARKET.

A UWS postgraduate qualification not only gives you the specialist expertise and knowledge you need in your subject area, but also provides you with the essential practical skills employers demand. We offer lots of support to prepare you for your career while you study, as well as when you graduate.

EMPLOYABILITY LINK

Our Employability Link services, operating across the campuses, incorporate the Careers Service, Job Shop and placement support. For more information on the full range of services available visit www.uws.ac.uk/employabilitylink

The Careers Service offers:

- one-to-one careers guidance
- support and advice on applying for jobs or further study (preparing CVs, completing application forms, interview practice etc)
- a range of careers seminars, with a focus on presentation and application skills
- an online vacancy system providing graduate level opportunities and part-time jobs
- a huge web resource with careers information, events and interactive seminars at www.uws.ac.uk/careers

STUDENT JOB SHOP

For students looking for work while studying, our Job Shop advertises part-time, summer and vacation work, as well as temporary work within the University and voluntary opportunities. More information is available at www.uws.ac.uk

Links with industry

The strength of partnership between UWS and industry allows us to offer the most relevant, flexible and practical courses. These highly-vocational programmes produce graduates with strong employment skills. Many of our courses are professionally recognised – see individual course entries for details.



Stacey Crawford
Law student

"What are my plans for the future? Hopefully working in an HR management role after I graduate with my Law qualification."

SKILLS FOR LIFE

WE LIVE AND WORK IN A CONSTANTLY CHANGING ENVIRONMENT. NOW THAT THE JOB MARKET IS MORE COMPETITIVE THAN EVER, IT'S ESSENTIAL THAT YOU KEEP YOUR SKILLS AND KNOWLEDGE UP-TO-DATE AND RELEVANT.

Our Lifelong Learning Academy (LLA) – which co-ordinates and develops our flexible part-time programmes – and the University schools work to ensure that our courses meet the ever-changing needs of business and industry.

Flexible, cost-effective options, including part-time day, evening and online classes, ensure busy working professionals can balance work and study.

LLA offers part-time evening programmes in business and computing, with day-time options available in engineering, science, media, social sciences and post-registration health and nursing, enabling our students to develop the knowledge and skills sought by today's employers.

If you can't find a course that's suitable, then get in touch – we can often develop courses to suit the needs of individual organisations and deliver training and development in the workplace at a time that suits.

We've helped a number of small-to-medium sized enterprises to upskill their employees and have also worked with a diverse range of organisations in the private and public sectors, such as Marks and Spencer, Strathclyde Police

and NHS Greater Glasgow and Clyde. A number of specialist units across the University provide research and consultancy expertise and work with professionals to help develop skills and knowledge to ensure a competitive edge.

These include:

- Biotechnology Centre
- Career Guidance and Development Course Centre
- Centre for Criminal Justice and Police Studies
- Centre for Environmental and Waste Management
- Centre for Particle Characterisation and Analysis
- Drug and Alcohol Research and Teaching (DART) Centre
- Quality Centre
- Business Solutions
- School of Education
- Scottish Polymer Development Centre
- Health and Nursing Studies
- IT Academy
- The Institute for Applied Social and Health Research

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.

Find out more

Lifelong Learning Academy,
tel **+44 (0)141 848 3193**
or e-mail lifelonglearning@uws.ac.uk or visit
www.uws.ac.uk/lifelonglearning



HERE FOR YOU

THERE'S PLENTY OF SUPPORT TO PREPARE YOU FOR YOUR TIME AT UNIVERSITY AS WELL AS WHEN YOU GRADUATE.

The Student Link brings together the services offered by:

- Student Administration Services
- Student Services
- Lifelong Learning Academy

It is where you can get information about everything from enrolling on your course to giving the advice you need during your studies e.g. funding, careers, personal problems.

The Student Link Information Points at each campus can provide help with the following:

Student Administration Services

Student Administration Services provides you with information during your studies such as:

- enrolment and registration
- examinations and assessments
- regulations and procedures
- graduation – dates and registration
- information requests: status letters, academic transcripts, council tax exemption forms

For more information visit

www.uws.ac.uk/studentadmin

Student Services

Across all our campuses, our Student Services teams aim to ensure that you have the support and advice you need throughout your studies such as:

- funding and advice
- employment and careers
- enabling support
- advice and support for international students
- spiritual care
- personal well-being

For more information visit

www.uws.ac.uk/studentsservices

Lifelong Learning Academy

The Lifelong Learning Academy (LLA) has students of all ages and from all walks of life. You can pop into the Student Link with general part-time study queries any time during opening hours or you can make an appointment to meet with an Education Guidance Adviser to discuss module and degree programme choices, further study options or seek financial advice.

See page 8 for further information on part-time study or visit www.uws.ac.uk/pt

Support for international students

We offer a full programme of welcome events for international students and our International Student Advisers are available to offer help on a range of matters. See page 34 for more details.

Blackboard

Blackboard is our web-based learning platform, which provides access, from any location, to online course materials, lecture notes, and tutor/student discussion boards - make the most of it!



MONEY MATTERS

HELP WITH MANAGING YOUR MONEY.

The UWS Funding and Advice team are committed to helping students better manage their money. The service is designed to keep you informed about funding opportunities and equip you with the skills needed to manage your finances.

With lots of practical advice, it's definitely worth logging on to www.uws.ac.uk/fundingadvice to find out more.

UNIVERSITY SCHOLARSHIPS

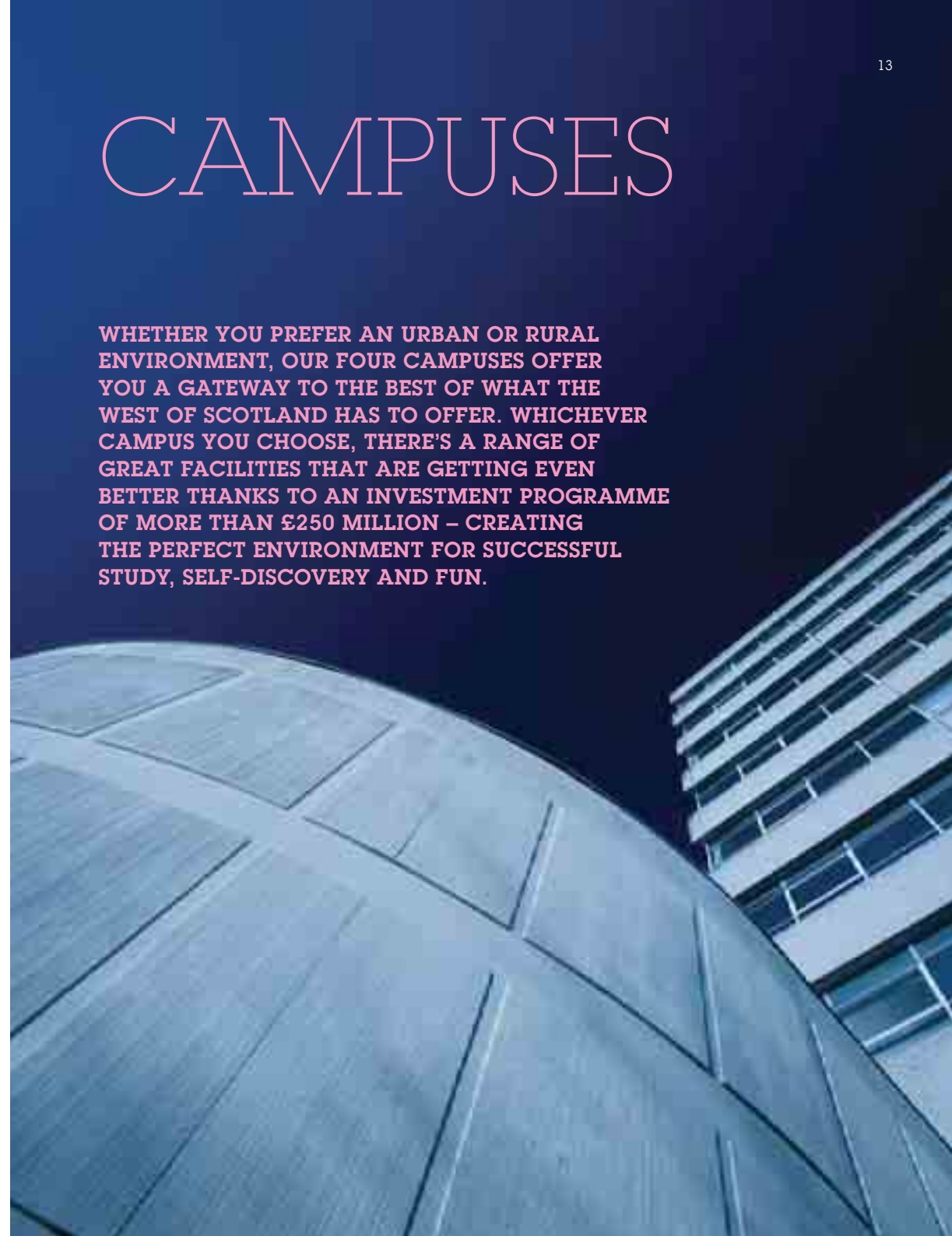
The University is regularly supported by organisations who offer scholarships/ bursaries to eligible students each year. Students are also encouraged to research and apply to external trust funds for additional funding. SAAS (Student Awards Agency for Scotland) maintain the Register of Educational Endowments which is a list of educational trusts in Scotland. They will search their database if you complete an enquiry form.

Further details and advice on scholarships and trust funds can be found at your local library or by logging on to the University's Student Services section of the website at www.uws.ac.uk/funds or the international section of the UWS website.

For information on Scotland's Saltire Scholarships (formerly Scottish International Scholarship programme), see page 198.

CAMPUSES

WHETHER YOU PREFER AN URBAN OR RURAL ENVIRONMENT, OUR FOUR CAMPUSES OFFER YOU A GATEWAY TO THE BEST OF WHAT THE WEST OF SCOTLAND HAS TO OFFER. WHICHEVER CAMPUS YOU CHOOSE, THERE'S A RANGE OF GREAT FACILITIES THAT ARE GETTING EVEN BETTER THANKS TO AN INVESTMENT PROGRAMME OF MORE THAN £250 MILLION – CREATING THE PERFECT ENVIRONMENT FOR SUCCESSFUL STUDY, SELF-DISCOVERY AND FUN.



AYR CAMPUS

OUR BRAND NEW £70 MILLION RIVERSIDE CAMPUS IN AYR OPENED SEPTEMBER 2011, JUST 10 MINUTES' WALK FROM THE TOWN CENTRE.

The campus provides state-of-the-art facilities for UWS and our project partners SAC. Designed by award-winning architects RMJM, the new building has already achieved the award of a BREEAM* Excellent rating from the British Research Establishment for features which minimise environmental impact. The campus design was inspired by the area's woodland surroundings and offers students a stunning space for study.

- some of Scottish higher education's finest facilities with suites, studios and laboratories for performance, music, broadcasting, education and healthcare
- a student-run digital radio station
- its own lively student union, with an excellent events and entertainment schedule
- a library housing an impressive range of resources and facilities
- brand-new student accommodation composed of 200 en-suite bedrooms grouped in student flats with shared lounge, kitchen and dining areas and with communal lounge and laundry facilities
- riverside coffee bar and atrium dining area

- a range of student services featuring careers and funding advice; job shop; counselling; and disability support
- access to extensive riverside walkways and cycle paths

ABOUT AYR

With a population of 50,000, the coastal town of Ayr is located just under 60 minutes from the centre of Glasgow by road or rail. The town has become increasingly student focused, offering an eclectic range of venues for socialising and entertainment. Packed full of historical sites, visitor attractions and cultural and leisure pursuits, the landscape surrounding the town varies from rolling hills, parkland, moors and dense forests to dramatic coastlines and long, sandy beaches. There's plenty of outdoor pursuits available – including sailing, quadbiking, horse-riding, football, rugby, hockey and tennis – as well as shops, bars, restaurants and nightclubs. And with a £300 million regeneration plan on the cards, Ayr is set to get even better. For more information visit www.ayr.org

Postgraduate courses include creative and cultural industries; business; education; and health and nursing.

Travel

- Glasgow is just under an hour away by train or car
- Excellent road and rail links to Ayr
- Frequent bus and rail services operate from Glasgow and the south-west, as well as further afield to Ayr
- Glasgow Prestwick International Airport is approx 5 miles from campus with a direct train link to Ayr town centre

See our website for more travel information.



DUMFRIES CAMPUS

OUR DUMFRIES CAMPUS IS LOCATED WITHIN A HISTORIC 85-ACRE PARKLAND ESTATE, JUST TWO MILES FROM THE CENTRE OF DUMFRIES.

It's a shared campus, with the University of Glasgow and Dumfries & Galloway College occupying neighbouring buildings. The campus has a beautiful setting with views of the River Nith and the Galloway Hills. With a population of 38,000, Dumfries is big enough to enjoy city-like facilities, while remaining small enough to retain a friendly ambience.

The Dumfries Campus has state-of-the-art learning facilities for college and university students and currently operates across five distinctive buildings, Dudgeon House, Kindar, Browne House, Rutherford McCowan Building and Dumfries & Galloway College Building. Together they offer a range of benefits including:

- a library equipped with over 40,000 books, wireless IT facilities, PC workstations and access to the University-wide library and other online resources
- University Student Services which are located in the Dumfries & Galloway College building, offer careers and funding advice; job shop; counselling; and disability support services
- sports facilities including games hall, gym and fitness studio
- almost 200 computer workstations for campus students

- Student Link is located in the University Library in the Dumfries and Galloway College building and provides advice on a wide range of subjects including enrolment, preparing for a graduate job, applying for a graduate programme, careers and more
- WiFi access at a variety of locations across the campus
- a state-of-the-art clinical training skills unit for UWS nursing students
- an active Students' Association – www.cucsa.org.uk

ABOUT DUMFRIES AND GALLOWAY

With a population of 38,000, Dumfries forms the hub of Dumfries & Galloway, a region of rugged coastlines, sandy beaches and tranquil lochs. The town of Dumfries offers a good range of leisure, retail and entertainment venues. Outdoor sports and leisure pursuits are also well catered for including cycling, golf, mountain-biking, water sports, hill-walking and fishing.

For more information on Dumfries and Galloway's historic attractions, wildlife, and activities and events go to www.visitdumfriesandgalloway.co.uk

Postgraduate courses cover health; nursing; management and IT*

*distance learning opportunities

Travel

- Regular bus and rail services operate to Dumfries from the nearby English city of Carlisle (south of Dumfries) and from both Edinburgh to the north-east and Glasgow to the north-west

See our website for more travel information.



HAMILTON CAMPUS

OUR HAMILTON CAMPUS IS IN THE CENTRE OF TOWN – CLOSE TO HAMILTON CENTRAL AND HAMILTON WEST TRAIN STATIONS.

The campus is well-integrated with the existing fabric of the town and has a more urban feel than the more rural locations of Dumfries and Ayr. Cafes and bars are located a stones' throw from the University making Hamilton Campus a sociable place to study. UWS in Hamilton is home to:

- state-of-the-art simulation wards for nursing and midwifery training
- well-equipped library, open-access IT facilities, 80,000 booksbooks, 1,000 journals and 200 study spaces
- WiFi access
- Student Link, including financial and welfare advice; careers service; job shop; counselling service; effective learning adviser; disability resources; and educational support services
- £2.1 million Centre for Engineering Excellence
- new classroom suite featuring touchscreen technology, tablet PCs and audience response handsets for interactive feedback
- sports & leisure centre, featuring a multi-gym area and games hall

- a range of catering facilities, including two student dining rooms and a coffee bar
- self-catering halls of residence
- students' union which offers a programme of entertainment throughout the year
- campus shops

ABOUT HAMILTON

Hamilton, Scotland's 5th largest town, is close to some of the most scenic parts of Scotland and offers a wealth of activities, sites of historical interest and superb scenery. It's a short train journey from Glasgow, and Edinburgh and Stirling are also within easy reach. The town is surrounded by a landscape of softly sloping hills, featuring a golf course, race course and mature woodland walks. The area around Hamilton offers lots to see and do – including a number of country parks and nature reserves such as Strathclyde Park; and sporting and leisure activities, including football, rugby, golf, sailing, tennis, tenpin bowling, swimming and horse-riding. The town centre offers plenty of shopping options as well as a 9-screen cinema, theatre and a host of pubs, nightclubs and restaurants.

Postgraduate courses cover health, nursing and midwifery; business; broadcast journalism; education; biotechnology and sports coaching.

Travel

- Excellent road and rail links to Hamilton from Glasgow and surrounding areas
- Located just eleven miles south of Glasgow
- Most trains on the main rail line from London and the Midlands to Glasgow stop at Motherwell which is ten minutes from Hamilton, and there is also a fast and frequent service from Hamilton to Glasgow
- The campus is 5 minutes' walk from Hamilton West train station
- The campus is within two hours of Stranraer and Cairnryan ferry terminals

See our website for travel information.



PAISLEY CAMPUS

LOCATED IN THE CENTRE OF PAISLEY, A FEW MINUTES' WALK FROM PAISLEY GILMOUR STREET TRAIN STATION, THE CAMPUS IS LIVELY AND URBAN.

Already featuring a range of student accommodation, an additional new student residence is planned for Paisley Campus (opening September 2012), as well as a major programme of accommodation upgrading for the 2012 session. Our Paisley Campus offers:

- interdisciplinary science laboratories
- industry-standard design and engineering facilities
- nursing and midwifery teaching areas and skills labs
- students' union – including a cyber café, coffee shop, main bar and games area, cafeteria and 450-capacity events space
- internet café
- WiFi access at a variety of locations across the campus
- Robertson Trust Library & Learning Resource Centre, with over 1,000 reader spaces; reading rooms; and a new flexible learning zone with group and individual work areas, coffee bar, internet access and social space

- Robertson Trust Sports Centre on outskirts of town with sports hall; fitness suite; gymnasium; third-generation all-weather pitches; football; rugby and hockey pitches; jogging route; and all-purpose training area
- campus shop
- student services, including careers service, job shop, funding and advice service, counselling, disability support and spiritual care team
- new classroom suite featuring touch screen technology, tablet PCs and audience response handsets for interactive feedback

ABOUT PAISLEY

With a population of 74,000, Paisley combines heritage and history with all the facilities you'd expect from Scotland's second largest town. Visit Paisley Museum and Art Galleries or Paisley Arts Centre; take in the stunning architecture of the 12th century Abbey; or indulge in some retail therapy, with Glasgow – one of the UK's best shopping venues – just a 10-minute train journey away.

Postgraduate courses cover business; science; computing; engineering; social sciences; and health, nursing and midwifery.

Travel

- Campus is just under 3 miles from Glasgow International Airport
- 10 minutes by train from Glasgow
- The M8 motorway, which links the M74, A77/M77 and M80, offers easy access to Paisley from the rest of Scotland and the South, plus a fast, direct route to the centre of Glasgow
- Regular public bus and rail services operate from Glasgow and the southwest as well as further afield, to Paisley

See our website for more travel information.



YOUR STUDENT UNIONS

PEOPLE SAY THAT THE FRIENDS YOU MAKE AT UNIVERSITY WILL BE FRIENDS FOR LIFE – AND AT UWS THERE ARE PLENTY OF OPPORTUNITIES FOR MAKING THEM.

The Union bars stream major sporting events; host regular stand-up comedy gigs as well as quiz nights and poker competitions. You can entertain yourself with pool tables and quiz machines while karaoke and open mic sessions offer an outlet for the talented. Food and refreshments are priced with student wallets in mind ensuring your nutritional needs are met at affordable prices.

Paisley Union – the largest at UWS – is spread over three floors featuring the biggest bar in Paisley and the Java Cyber Cafe. Regular exhibitions, conferences and the annual sports ball jostle for your attention next to the activities of the University's clubs and societies.

In Hamilton, the Union is best known for the popularity of its theme nights featuring everything from silent discos to beach parties.

Ayr Union has a laid back feel and in the summer students spill out of the union at lunchtime to lounge on the grass.

In Dumfries the Crichton University Campus Students' Association (CUCSA) runs a Hill Walking and Curling Club, the Crichton Ceilidh Club and the Consciousness Cafe Discussion Group – a philosophy club. Keep up-to-date at www.sauws.org.uk

CLUBS & SOCIETIES

At UWS there is a diverse range of clubs and societies, supported by the UWS Students' Association (SAUWS) including: Disabled Students, Environment, Film Making, Hobbits, International, ISOC (Muslim Students), LGBT (Lesbian, Gay and Bisexual), Oot and Aboot, Photography, Students' Newspaper, Students' Radio, Trade Cards, Womens' Group, Yoga.

Current sports clubs at UWS are: football, netball, basketball, volleyball, badminton, American football, cricket, hockey, rugby, cheerleading, aikido and tae kwon do. Find out more at www.sauws.org.uk

UWS RADIO

The radio station broadcasts 24 hours a day, 7 days a week and can be heard on Ayr Campus or listened to online at www.uwsradio.org

A diverse community

Our students come from a wide range of backgrounds and nationalities bringing a wealth of culture and diversity to the University. You'll be part of a wider mix, get a different perspective from your studies, and learn from the experience of your classmates. As well as University resources, you can rely on the lively Students' Association for support and assistance. You'll be able to join any number of UWS student clubs and societies and you could even take part in the work of our Students' Association.



ACCOMMODATION

WE HAVE A WIDE RANGE OF AFFORDABLE STUDENT ACCOMMODATION AVAILABLE AT THE CAMPUSES IN AYR, HAMILTON AND PAISLEY*.

This includes fully furnished flats and residences, both on and off campus. Accommodation costs for 2012/13 are expected to range from £65–£130 depending on type of accommodation chosen. Advice and support on seeking accommodation is available from our Accommodation Unit.

As part of our ongoing investment in campus facilities, a brand-new student residence opened in Ayr in September 2011. This comprises 194 en-suite bedrooms grouped in student flats with shared lounge, kitchen and dining areas within each flat and 6 studio flats. In addition, a new £13.2 million student residences complex will be built on Paisley Campus creating an additional 340 bedspaces. Due for completion in September 2012, accommodation will include bedrooms with en-suite bathroom and communal kitchen/living facilities, a management suite, student lounge and laundry facilities. A separate £4.6 million project for the refurbishment of 160 University-owned flats at Paisley Campus got underway in 2011.

INTERNATIONAL STUDENT ACCOMMODATION BURSARIES

At present, the University has a number of International Student Accommodation Bursaries, to the value of £1000, which can be used as a contribution towards the cost of accommodation in the University's self-catering halls of residence. Students paying the full international student fee may apply for these bursaries. Details of the Bursary Scheme will be sent to international students once they have applied for a place at the University. A 5% discount on the full year's accommodation fee is offered to international students staying in the University's residential accommodation. Eligibility conditions apply as follows:

- your accommodation fees for the term time must be paid in full prior to, or on enrolment, providing this is within one week of formal classes commencing
- the deduction of the £1000 accommodation bursary is subject to receipt of the bursary application form

Accommodation costs for 2012/13 are expected to range from **£65–£130** depending on type of accommodation chosen.

NB The University accommodation is not suitable for families. Overseas students intending to bring family to Scotland while studying should contact the numbers below for more info.

Accommodation contacts

For more information on University accommodation at Paisley Campus, contact Paisley Residential Accommodation Unit tel **+44 (0)141 848 3967 /3158/3159**; for information on accommodation at Ayr Campus contact **+44 (0)1292 886273**; for information on accommodation at Hamilton Campus contact **+44 (0)1698 283100** Alternatively contact us by e-mail at accommodation@uws.ac.uk

*Advice on accommodation in Dumfries is available from **+44 (0)1698 283100** extension 8376, e-mail accommodation@uws.ac.uk



Artist's impression of the new Paisley Campus residences scheduled to open September 2012



Interior of accommodation at Ayr Campus residences



Hamilton Campus residences



Ayr Campus residences



Interior of accommodation at Ayr Campus residences



Interior of accommodation at Ayr Campus residences

RESEARCH EXCELLENCE

BEING PART OF A UNIVERSITY COMMUNITY THAT TAKES RESEARCH SERIOUSLY MEANS YOU'LL BE TAUGHT BY STAFF WHO ARE AT THE CUTTING-EDGE OF INNOVATION.

Cementing our reputation for academic achievement is the 2008 Research Assessment Exercise (RAE) which awarded its highest possible rating of 4* to six UWS research areas, and 'International Excellence' in a further seven. Recent work, much of which is transnational and interdisciplinary, includes:

- scientific research resulting in the discovery of a novel type of nuclear fission which challenges the theoretical understanding of the nuclear fission process
- new research into the 2010 Winter Olympics including studying the media and cultural aspects of the Games
- fieldwork research completed in Malawi by staff in science and in nursing to improve healthcare
- the University's Thin Film Centre's research used to aid the development of a new A4 e-book reader called the QUE, launched at the (world's largest) Consumer Electronics Show in Las Vegas, 2010
- a £126.5 million partnership project involving ten Scottish universities to ensure Scotland's future as a driving force in engineering
- £22 million nationwide environmental research initiative to study the earth's environment and the way people interact with it
- a research collaboration between UWS and the Welsh Rugby Union questioning the current coaching methods in rugby union and highlighting the need for different position-specific agility and speed training strategies
- £48 million investment for eight Scottish universities working in partnership to develop their physics research capabilities
- research to aid the fight against teenage obesity by the Exercise and Health Sciences Research Unit
- research into the field of parasitology and the building of academic and industry collaborations acknowledged by Nexxus who named a UWS researcher Nexxus' Young Life Scientist of the Year (West)

*4 star research representation in Allied Health Professions and Studies; Accounting and Finance; Business and Management Studies; Social Work and Social Policy & Administration; Education; and Communication, Cultural and Media Studies (Research Assessment Exercise 2008).

Mireilla Bikanga Ada
PhD student,
School of Computing

"I've never looked back since joining UWS. The lecturers and staff are really supportive. As a working mum this is really important to me."



A NATURAL HOME FOR RESEARCH STUDY

BE PART OF ONE OF THE FASTEST GROWING RESEARCH STUDENT COMMUNITIES IN SCOTLAND.

A research degree involves working at the forefront of your academic subject and contributing to the advancement of knowledge. You must be motivated, committed and ready for a challenge and already have shown considerable potential in your undergraduate level studies.

UWS has a dynamic and rapidly growing research student community. Our students work with experts in their field, engage in valuable training opportunities and develop important new work which contributes to academic debate.

Research degrees – including PhD, MPhil and MRes awards – are offered on a full-time, part-time and distance learning basis across a range of subjects. Studying for a research degree furthers your academic development, increases your employability and gives you more career options, whether in an academic or commercial environment.

RESEARCH STUDENTSHIPS

For some research projects there may be support for the payment of fees and a stipend. UWS-funded research studentships may be available to support students from the UK and other EU countries. These are advertised annually, normally April, with projects commencing in October of the same year.

For a list of studentships that are currently available at UWS please visit www.uws.ac.uk/studentships

SCHOLARSHIPS

UWS currently offers two scholarships that can be used towards the payment of the International Research student fee. Note that these two schemes cannot be combined.

International Research Excellence Scholarship (IRES)

Based on a high-quality threshold, exceptional self-funded overseas (non-EU) candidates, who have been offered a place on a full-time Higher Degree by research programme at the University, may be eligible for a 50% discount on research tuition fees.

Scottish Overseas Research Students Award Scheme (SORAS)

As with IRES, available to high-quality self-funding candidates, SORAS offers a minimum award of £3,000 to be used towards the payment of fees. This scholarship is awarded on an annual basis only.

MORE INFORMATION AND RESEARCH APPLICATIONS

For further information about how to apply for research degrees, research opportunities, activities and expertise across UWS, contact the Innovation & Research Office on **+44 (0)141 848 3919**, visit www.uws.ac.uk/research or e-mail pgr@uws.ac.uk

ADVICE FOR INTERNATIONAL STUDENTS

An international environment

EACH YEAR AT UWS, WE WELCOME STUDENTS FROM ALL OVER THE WORLD, THROUGH OUR FORMAL LINKS WITH OVER 100 EDUCATIONAL PARTNERS ACROSS THE EU AND AN INCREASING NUMBER OF AGREEMENTS WITH UNIVERSITIES IN CHINA AND THE US.

Our student numbers are increasing all the time – testament to the quality of our courses, teaching and facilities. With students from across the EU as well as from China, Pakistan and India, you'll enjoy an exciting, culturally diverse and cosmopolitan environment. Our international team visit a number of countries during the academic year.

WORKING WITH THE BRITISH COUNCIL

We work closely with the British Council. Our prospectuses, course materials and further information on study at UWS can be found in all of the 109 offices and territories around the world.

For your nearest British Council office, please visit

www.britishcouncil.org/new

At the top right of the page click on UK site (select another country site), and choose the appropriate country.

Details of our worldwide representatives can be viewed at

www.uws.ac.uk/international/countrycontacts.asp

For more
information
about Scotland see
www.visitscotland.com

**1,400
INTERNATIONAL
UWS STUDENTS**



ADVICE FOR INTERNATIONAL STUDENTS **Study in Scotland**

SCOTLAND IS A GREAT PLACE TO LIVE AND STUDY. WITH A HISTORY OF BEING ONE OF THE MOST INNOVATIVE COUNTRIES IN THE WORLD, SCOTLAND HAS DEVELOPED MANY OF THE TECHNOLOGIES THAT HAVE CHANGED THE WAY WE LIVE. SCOTLAND IS ALSO RENOWNED WORLDWIDE FOR ITS CULTURE OF HOSPITALITY.

With a variety of cultural attractions, breathtaking scenery and lively urban centres, Scotland is a truly beautiful country, offering some of the United Kingdom's most stunning landscapes. It is diverse however, with modern towns and cities, as well as a rich, fascinating history. Scotland has its own devolved government based in the capital city, Edinburgh, and its own distinct culture.

Scotland has a highly skilled workforce and holds an enviable reputation in the fields of engineering and business, and in the development of innovative technologies. Scotland is known worldwide for the high standards of its education system – our universities and colleges produce the highest number of graduates per capita overall in the EU, exceeded worldwide only by Norway and the USA. The Scottish Government has stated its commitment to education and giving people, at all levels of society, the opportunity to increase their knowledge, earning potential and status. This approach to education is at the very centre of the University's philosophy.

For more information on Scotland visit www.visitscotland.com

ENGLISH LANGUAGE REQUIREMENTS

It is essential that you have a good command of written and spoken English if you wish to succeed in your studies. For more details please see page 198.



**1,400
INTERNATIONAL
UWS STUDENTS**



Oban



Sauchiehall Street, Glasgow



The Clyde at Pacific Quay, Glasgow

ADVICE FOR INTERNATIONAL STUDENTS

Looking out for you

WE OFFER INTERNATIONAL STUDENTS A PROGRAMME OF WELCOME EVENTS WHICH INCLUDE A COMPREHENSIVE INDUCTION TO THE UNIVERSITY AND LIFE IN SCOTLAND.

INTERNATIONAL STUDENT ADVISERS

Our International Student Advisers are available to help with a variety of matters –

- student visa extensions
- immigration advice
- visas for travel outside the UK
- advice on working in the UK (during and after studies)
- letters for visiting relatives
- financial questions (funding sources, fees, student hardship, private trusts and charities, Students' Association Emergency Hardship Fund)
- welfare and health benefits
- general welfare (personal difficulties, social events for international students, HOST)

The International Student Advisers can be contacted on **+44 (0)141 848 3803** or visit our website.

OTHER SOURCES OF ADVICE

UK Council for International Student Affairs (UKCISA)

If you need urgent advice and the International Student Advisor is not available, you can visit the UKCISA website www.ukcisa.org.uk

From this site you can download UKCISA's information sheets for students which give advice on all important areas of concern to international students studying in the UK. If you need to speak to someone for advice, call the UKCISA international student advice line in London on: **+44 (0)207 107 9922** Monday to Friday 1–4pm.

UKCISA professional international student advisors are there to help you with any matter. The service is free – you pay only for the call.

IMMIGRATION INFORMATION

For detailed information on immigration procedures download the UKCISA information sheets 'Making a student immigration application in your home country' or 'Making a student immigration application in the UK' by visiting www.ukcisa.org.uk

For more information on student visas, welfare and general living in the UK please visit the University website.

Student views

- 91% of international students describe Scotland as 'a good place to be'
- 86% would recommend their experience to others
- 88% are satisfied with support from their international office – that's more than in the rest of the UK and Europe
- 96% of international students in Scotland are satisfied with their lecturers' expertise
- Scotland is ranked 3rd in the world for academic citations and research publications per capita
- Glasgow has more graduates per capita than any other city in the world

Satisfaction scores source: iGraduate – Tracking the university and college experience in Scotland, 2008, a report commissioned by the British Council

PART-TIME WORK OPPORTUNITIES

Students whose visas are endorsed with a restriction on working can work during term time for up to 20 hours per week and any number of hours during University vacations. For further information on working in the UK, students should visit the UKCISA website www.ukcisa.org.uk to download the information sheet for students 'Working during your studies'.

HOST

The University is a member of HOST, an organisation which offers international students the opportunity to spend time with a British family in any part of the country. You can choose where you would like to go, and sample real British life and culture and enjoy home cooked food! It's free – you pay only for your travel expenses. You can register online and can give three choices of dates and location. Just print out the online form and contact the International Student Advisor, who will sign it for you. Please apply at least five weeks before you'd like to travel – holiday times such as Easter and Christmas are booked up very quickly. For more information on HOST, visit www.hostuk.org



SECTION CONTENTS

BUSINESS	38
COMPUTING	72
CREATIVE AND CULTURAL INDUSTRIES	86
EDUCATION	100
ENGINEERING	112
HEALTH, NURSING AND MIDWIFERY	120
SCIENCE	160
SOCIAL SCIENCES	180
SPORT AND EXERCISE SCIENCE	190

BUSINESS

OUR BUSINESS SCHOOL HAS A RANGE OF FULL-TIME MASTERS AND POST-EXPERIENCE PROGRAMMES FOR STUDENTS STARTING IN JANUARY OR SEPTEMBER 2012.



BUSINESS

OUR PROGRAMMES BUILD ON OUR SUBJECT EXPERTISE, STRONG LINKS WITH INDUSTRY AND OUR EXCELLENT STUDENT-FOCUSED APPROACH WHICH ALL COMBINE TO OFFER YOU AN EXCELLENT OPPORTUNITY TO STUDY AT MASTERS LEVEL.

The Masters programmes we offer are as follows:

Full-time, one year of study:

- MBA
- International Financial Management
- International Hospitality Management
- International Human Resource Management
- International Management
- International Marketing Management
- International Operations Management
- Logistics and Supply Chain Management
- Management and New Technology
- Research Methods, for Business, Cultural and Social Sciences Researchers

Part-time, two years of study:

The following two Masters programmes are offered on a part-time, blended learning basis:

- Executive MBA
- HRM (the Postgraduate Diploma stage, leading to CIPD associate membership, can be achieved in 18 months)

We also offer the LLB* qualification for those in law with appropriate qualifications. This is offered as a “fast-track” LLB* top-up degree (see page 62). From 2012, the Business School will offer a suite of programmes specifically designed to enhance the career prospects of students wishing to follow a career in the areas of accounting and finance. This suite will offer programmes designed to top up existing accounting and finance qualifications to MSc level or to orientate students from other disciplines into an exciting new career pathway.

For further information contact University Direct on tel **+44 (0)141 848 7044** or email uni-direct@uws.ac.uk

Section contents

EMBA	44
Human Resource Management	46
International Financial Management	48
International Hospitality Management	50
International Human Resource Management	52
International Operations Management	54
International Management	56
International Marketing Management	58
Law (Grad Cert)	60
Law (LLB)*	62
Logistics and Supply Chain Management	64
Management and New Technology	66
MBA	68
Research Methods for Business, Cultural and Social Sciences Researchers	70

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.

*At time of print course offered subject to final University approval.

All of our programmes are designed around, and offer, a strong academic profile and content. You will be part of a diverse cohort learning from other students, sharing experiences and benefiting from different perspectives.

Our full-time Masters programmes are of one year duration whilst the part-time courses are designed to be completed within two years.

FACILITIES

We have invested in new facilities at our Hamilton Campus (where many of our postgraduate courses are based) in order to support your learning at UWS. There is a new high technology teaching room and a postgraduate student learning space ensuring our environment supports your learning. The use of technology such as virtual learning environments, mobile applications, smart boards, etc at all campuses will all add to your experience. The library and study spaces at Hamilton have also been upgraded and facilities at Paisley Campus are regularly reviewed.

SUPPORTING YOU

Support both before and during your studies is offered in a variety of ways. From advice when you first enquire, through to support as you apply and then arrive, and on to enrolment and beyond – you will be supported at all stages.

Scholarships and financial support are available for our programmes which mean you will find our Masters programmes are attractive to students from all over the world.

LINKS WITH BUSINESS AND INDUSTRY

Our courses provide you with the opportunity to gain experience with Scottish organisations (from the private, public or voluntary/social enterprise sectors). There will be opportunities for engaging with organisations both through module content; and you will have the option of focusing your dissertation/project on the specific needs of an organisation.

We have focused links from our programmes to professional and/or industry bodies. For example, in some cases we have negotiated student associate membership and/or opportunities for you to attend local branch meetings; or in some cases there may be some exemptions from the professional body to gain membership status.

INTAKES

Most of our full-time courses offer the option of starting in January or September 2012. (Please note the MSc Research Methods has a September intake only).

“My research has equipped me with the necessary skills to pursue a career as a management consultant once I graduate. I’ve gained both theoretical and practical knowledge that will be relevant when I venture into the corporate world.”

Damisah Osikwemhe,
PhD student

RESEARCH

UWS Business School has developed core activity in internationally recognised, business-related research, which underpins curriculum development, teaching and learning and staff development.

We have two main areas of research (accountancy & finance and business & management) and are developing a research group in the field of law. The research we produce was recognised as world-leading and of international excellence in the UK Government's Research Assessment Exercise 2008.

We have active research and consultancy links with a range of commercial, industrial and professional organisations. We are very active in Knowledge Transfer Partnerships (KTP), Europe's leading programme helping businesses to improve their competitiveness and productivity through the better use of knowledge, technology and skills. We assist a range of organisations to improve their performance while offering KTP associates – an individual who is usually at postgraduate level – an opportunity to gain excellent industry experience.

CONSULTANCY

UWS Business School has a reputation for quality in consultancy. Projects recently undertaken include a multi-million dollar World Bank/European Commission-funded consultancy project (won in the face of major competition from a number of leading European organisations), which introduced international accounting standards to the Republic of Azerbaijan, and a Scottish Government commissioned study into the importance of minority ethnic businesses to the Scottish economy.

We also work with many of the UK's top companies on a variety of activities, from providing learning programmes for their staff to strategic consultancy projects. This helps our staff to maintain a real-world emphasis in the programmes we offer.



BUSINESS

Executive Master of Business Administration

THE EXECUTIVE MBA IS A TWO-YEAR, PART-TIME, OPEN LEARNING PROGRAMME FOR EXPERIENCED MANAGERS. THE EXECUTIVE IN THE TITLE INDICATES THAT THE PROGRAMME IS SPECIFICALLY DESIGNED FOR BUSY MANAGERS WHO WANT A COURSE OF STUDY THAT IS HIGHLY RELEVANT TO THEIR WORKPLACE AND OFFERS THE FLEXIBILITY THEY NEED.

The programme's open learning delivery, attendance requirements and vocational emphasis allows busy executives to develop themselves and their organisations without taking a career break. Building on participants' work experience, the Executive MBA helps them to develop into strong all round managers while also gaining the prestigious MBA qualification. On completion of the Executive MBA, managers bring to their organisations the capabilities to recognise and respond to:

- strategic opportunities for growth
- volatility in the organisational environment and manage complex change
- the need for creativity, innovation and forward thinking in management issues

COURSE CONTENT

The Executive MBA comprises three stages:

Postgraduate Certificate in Resource Management

- Managing Markets and Customers (20 credits)
- Managing Operations (10 credits)
- Managing Resources (20 credits)
- Managing Talent (10 credits)

Postgraduate Diploma in Strategic Management

- Strategic Management (20 credits)
- 1 x option* (10 credits)
- Leadership & Change (20 credits)
- 1 x option* (10 credits)

*Options

- Financial Management (10 credits)
- Innovation and Creativity (10 credits)
- Knowledge Management (10 credits)
- The Economy and Globalisation (10 credits)

Campus

Open learning – online study with monthly workshops at the new Ayr Campus.

School

Business

Entry

Applicants for the Executive MBA should normally hold at least a second class Honours degree, or professional equivalent, and at least 3 years' relevant work experience (managerial, supervisory or administrative). Executives with work experience only will be considered for the Certificate and if their progress is satisfactory will be eligible to enrol on the next stages. (Please also see page 196 for more details).

Intake

September

Duration

Executive MBA (open learning)
2 years (maximum 5 years)

Contact

Dr Declan P Bannon
Executive MBA
Programme Leader
+44 (0)141 848 3377
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

Master of Business Administration

- Strategic Project (60 credits)

Each stage lasts approximately eight months and normally the programme takes two years to complete.

However, each stage is recognised as a meaningful and respected qualification and participants may choose, if necessary, to take a break between stages. In such cases they are required to complete the programme within five years.

The Certificate is a general introduction to the functional areas of business and its application at all levels. Strategic management issues are integrated at the Diploma and MBA stages where the aim is to provide participants with an understanding of strategy and decision-making at a senior level. Our teaching faculty includes many staff that have senior management experience in the private, public and voluntary sectors and this is reflected in the real-world emphasis of the programme at UWS and practical work-based assignments.

The Masters strategic project is an in-depth consultancy project which most participants base on an issue of strategic importance to their organisation.

Graduates of the Executive MBA will:

- acquire a firm understanding of the major areas of knowledge that underpin general management
- develop clear communication abilities across a range of media and audience
- develop rational approaches to arguing cases and drawing conclusions based on rigorous, analytical and critical approaches to data and information

At University of the West of Scotland, the Executive MBA is designed specifically for busy managers. It features a highly flexible delivery that means that participants do not need to take a career break or time off work to achieve the MBA qualification. They can study at a time and place that suits them and their work and personal commitments. The programme's open learning delivery consists of all-day, face-to-face workshops held approximately one Saturday per month and a dynamic web-based learning environment. This innovative and user-friendly environment offers learning materials online and features e-mail, discussion groups and bulletin boards, which allow programme participants to keep in close and frequent contact with tutors and other participants.

Please see our website for latest details of courses –
www.uws.ac.uk/emba

"It has given me the breadth of skills, the tools and the personal confidence to operate in an environment at this level. My colleagues on the programme were from diverse backgrounds. The learning we gained from each other was significant and having a wider breadth to one's thinking has undoubtedly made this job much easier to do."

Irene Barkby,
Executive Nurse Director,
NHS National
Services Scotland

Please see our
website for latest
details of courses
[www.uws.ac.uk/
business](http://www.uws.ac.uk/business)

BUSINESS

Human Resource Management

INCREASINGLY THE KEY TO COMPETITIVE ADVANTAGE FOR AN ORGANISATION, RECOGNISED BY BUSINESS LEADERS AND ACADEMICS, IS THE EFFECTIVE MANAGEMENT OF AN ORGANISATION'S MOST IMPORTANT RESOURCE, ITS STAFF. THIS INVOLVES THE CREATION AND UTILISATION OF A DISTINCTIVE SET OF INTEGRATED EMPLOYMENT POLICIES AND PRACTICES.

This programme is designed to assist participants to understand how the employment relationship operates on both an individual and collective basis. This understanding will achieve greater utilisation of the human resource and facilitate greater business success and increased employee satisfaction. It will allow participants to develop and assess employment policies and practices. As such, the programme would be beneficial for both general managers and those working, or intending to work, in the specialist function of HRM.

COURSE CONTENT

The programme has been designed to meet the CIPD (2010) advanced standards. Completion of the programme provides the "full knowledge bank" required for Chartered Institute of Personnel and Development (CIPD) membership.

As such the programme offers a range of modules which explore the context within which HRM operates and the contribution HRM makes to organisations.

The use of research to aid organisational effectiveness and improve problem-solving is fundamental to the philosophy of this MSc, and students will be encouraged to develop skills for research and critical evaluation throughout the programme.

The emphasis during the programme will be to produce professional managers with the ability to apply critical thinking skills and practical vocational skills. As such, work-based assignments and projects are a key feature of assessment.

Modules include:

Certificate

- HRM in Context (20 credits)
- Leading, Managing and Resourcing (20 credits)
- Learning and Talent Development (20 credits)

Diploma

- Developing Business and Interpersonal skills (20 credits)
- HRM Management Research Report (20 credits)
- Managing Employment Relations (20 credits)

Campus

The course will be delivered in a blended learning format with online material, activities and face-to-face workshops. Workshops for the coming session will be held on the Paisley Campus. As a guide, students attend roughly two days per month over the academic session.

School

Business

Entry

Candidates for the Postgraduate Diploma should normally have relevant work experience and possess an Ordinary degree. MSc applicants require an Honours degree or equivalent, plus relevant work experience. (Applicants with a non-business related degree but significant professional experience will also be considered.) Diploma students who satisfy the progression requirements will then be eligible to pursue the MSc. In line with University and CIPD policies on wider access, applicants who do not meet standard entry requirements will also be considered. Students who wish to be considered for Accreditation of Prior Learning (APL) should contact CIPD and they will carry a mapping or APL exercise. You can contact the CIPD Membership Development Team on **+44 (0)208 263 3353**. (Please also see page 196 for more details).

MSc

- Project HRM (60 credits)

PROFESSIONAL RECOGNITION

This programme provides the knowledge required for a professional level of CIPD Membership. If you have the relevant experience you can apply for membership assessment and you will be upgraded to a professional level of CIPD membership.

Intake

September

Duration

MSc (part-time) 27 months

Diploma

(part-time) 18 months

Contact

Lorraine Quinn

+44 (0)1698 283100

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

International Financial Management

THE COMPLEXITY OF FINANCIAL MANAGEMENT IN AN INTERNATIONAL CONTEXT POSES A GREAT CHALLENGE TO THOSE WORKING IN THE GLOBAL ACCOUNTING ENVIRONMENT. THE MSc SEEKS TO OFFER A PROGRAMME OF STUDY TO REFLECT THE NEEDS OF THOSE PURSUING A CAREER IN THIS GROWING GLOBAL INDUSTRY.

The programme centres on an exploration of the theme of globalisation alongside which we aim to provide the tools – from accounting, finance, economics, and management – to help you understand the place of international management in the contemporary world economy.

If you have a degree in a non-finance related discipline and would like to significantly enhance your career prospects in the wider business practice of accounting and financial management, this course is ideal. It offers a rigorous and challenging programme of study that will provide you with a well-integrated knowledge of financial accounting, finance, investment, and management accounting, together with the ability to relate this to the wider issues of management and corporate strategy.

The profession requires managers who are professional, highly skilled, adaptable and innovative who can respond to change and offer creative solutions to business challenges in order to compete on a global scale. At

the same time these managers need to demonstrate excellent interpersonal and communication skills, be able to reflect on their own performance and have the ability to adapt to different cultural situations.

The purpose of the International Financial Management programme is to:

- develop your critical, analytical problem based learning skills and transferable skills to prepare you for postgraduate employment in international financial management
- enable you to continue to engage in lifelong learning, study and enquiry
- assist you to develop further skills required for both autonomous practice and team working within the accounting and finance profession
- enable a systematic understanding of the current finance functions and future developments within the sector in Scotland, the UK, and internationally
- encourage you to adopt an

Campus

Hamilton

School

Business

Entry

An undergraduate degree in any discipline or equivalent. Applicants with relevant professional experience will also be considered for entry to the programme. (Please also see page 196 for more details).

Intake

January & September

Duration

MSc

1 year

Diploma

9 months

Contact

Dr Abeer Hassan

+44 (0)141 848 7044

uni-direct@uws.ac.uk

- analytical and creative approach to study and to develop the ability to argue rationally, communicate clearly, and form sound judgements enhance your knowledge, skills and abilities through the execution of a Masters level project
 - Students will -
 - develop critical, analytical problem-based learning skills and the transferable skills to prepare for postgraduate employment in accounting and finance
 - develop further the skills for autonomous practice and team-working in evaluating alternative approaches to long term investments and valuations on national and international perspectives
 - gain a systematic understanding of the reasons for businesses growth through merger and takeovers in national and international markets
 - be encouraged to adopt an enquiring, analytical and creative approach to study and to develop the ability to argue rationally, communicate clearly and form sound judgements on Private Equity or Venture Capital as applied sources of finance on national and international markets
 - enhance knowledge, skills and abilities through the execution of a Masters level project
- Through the core UWS business modules, you will gain a thorough grounding in the knowledge and skills essential for a management career in business, with particular emphasis on strategy, creativity, leadership and internationalisation, all within the context of a rapidly changing external

environment. Specialist modules will help you understand the place of international management in the contemporary world economy.

COURSE CONTENT

Modules include -

- Business Management in an International Context
- Managing Financial and Information Resources
- International Corporate Finance
- Strategic Management in an International Context
- Marketing, Innovation, Creativity & Entrepreneurship
- Research Methods
- International Applied Finance

MSc

The MSc Dissertation allows students to devise and complete a detailed piece of research in an international financial management topic of their own choice gaining further skills and knowledge that is invaluable for future career enhancement.

CAREER PROSPECTS

The programme aims to provide the theoretical framework and skills that accounting and financial managers need in order to cope with an increasingly complex and global accounting environment. It also provides a valuable foundation for those considering careers in areas such as investment banking or financial analysis, which are likely to involve extensive use of accounting information. Graduates of this programme will have high level transferable skills including problem-solving and decision making, communication of complex ideas, team working and the ability to work under tight deadlines and associated constraints.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

International Hospitality Management

THE TOURISM AND HOSPITALITY INDUSTRY IS FORECAST TO GROW ON A GLOBAL SCALE BY 4.4% PER ANNUM FOR THE NEXT 10 YEARS, AND IS EXPECTED TO SUPPORT OVER 300 MILLION JOBS WORLDWIDE BY 2020. EMPLOYMENT PROSPECTS FOR GRADUATES IN INTERNATIONAL HOSPITALITY MANAGEMENT ARE CURRENTLY EXCELLENT AS THIS SECTOR CONTINUES TO GROW IN IMPORTANCE AS ONE OF THE WORLD'S HIGHEST PRIORITY EMPLOYERS (WORLD TRAVEL & TOURISM COUNCIL REPORT 2010).

Growth of this scale requires managers who are professional, highly skilled, adaptable and innovative; who can respond to change and offer creative solutions to business challenges in order to compete in a global market. At the same time these managers need to demonstrate excellent interpersonal and communication skills, be able to reflect on their own performance and have the ability to adapt to different cultural situations.

The MSc International Hospitality Management programme at UWS aims to provide the necessary knowledge and skills development for graduates to meet the challenges of this growing global industry. You will develop intellectual powers, understanding and judgement within specific international hospitality contexts. In addition, the programme aims to stimulate an analytical and creative approach, encouraging independent judgement and critical

self-awareness.

Through the core UWS business modules, you will get a thorough grounding in the knowledge and skills essential for a management career in business and industry, with particular emphasis on strategy, creativity, leadership and internationalisation, all within the context of a rapidly changing external environment. Specific hospitality management skills are developed through practical workshops, seminar discussions, industry visits, interactive group exercises, case study analysis and feedback. Hospitality professional practice skills are achieved through case study analysis, scenario development, role play and practical demonstration, and where possible, real-life simulations will be employed.

By the end of this programme, your employability and managerial effectiveness will have been developed and enhanced. You will have developed

Campus

Hamilton

School

Business

Entry

An undergraduate degree in any discipline or equivalent. Applicants with relevant professional experience will also be considered for entry to the programme. (Please also see page 196 for more details)

Intake

January and September

Duration

MSc 1 year

Diploma 9 months

Contact

Jacqui Greener

+44 (0)141 848 7044

uni-direct@uws.ac.uk

excellent leadership and management skills which will be enhanced by your integrated knowledge and understanding of core processes such as finance, marketing, HRM and operations. Students will develop the ability to think and work strategically and creatively.

COURSE CONTENT

Modules will include:

- Business Management in an International Context
- Managing Financial and Information Resources
- Directing Hospitality Operations
- Strategic Management in an International Context
- Marketing, Innovation, Creativity and Entrepreneurship
- Research Methods
- Hospitality in a Global Context

MSc

The MSc Dissertation allows students to devise and complete a detailed piece of research in an international hospitality management topic of their own choice gaining further skills and knowledge that is invaluable for future career enhancement.

CAREER PROSPECTS

Graduates of this programme will have high-level transferable skills including problem-solving and decision-making, communication of complex ideas, team working and the ability to work under tight deadlines and associated constraints. The MSc International

Hospitality Management prepares graduates for employment at middle and senior management level within a range of operational and strategic positions. International career opportunities exist in many multinational organisations operating in food and service management, hotel corporations, conference venues, event management, restaurant groups, national tourist organisations, resort management and cruise operations.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

International Human Resource Management

THE GLOBALISATION OF BUSINESS MEANS THAT MORE PEOPLE ARE WORKING IN AN INTERNATIONAL CONTEXT AND THEREFORE THE WORKFORCES OF INTERNATIONAL ORGANISATIONS ARE BECOMING INCREASINGLY DIVERSE.

Consequently there is an increasing need for managers and human resource specialists, of both multi-nationals and smaller private and public sector organisations, to develop an international and comparative understanding of HRM, in order to manage people across borders while taking into account cultural differences in employment practices. As a result, the study of international human resource management is becoming ever more critical.

The MSc in International Human Resource Management combines core business modules with specialist study in HRM, designed to enable you to examine the increasing internationalisation of people management.

This UWS programme will develop your knowledge and understanding of the key concepts of international human resource management. This includes its specialist concepts, conceptual frameworks, research evidence and methodologies. In addition, students will develop the skills to manage the challenges and complexities of diverse workforces in the global business environment and in doing

so will develop an awareness of their own cultural conditioning, biases and assumptions. This will enable students to become more culturally sensitive and more skilled in communicating and managing in a diverse cultural environment.

Through the core UWS business modules, you will get a thorough grounding in the knowledge and skills essential for a management career in business and industry with particular emphasis on strategy, creativity, leadership and internationalisation, all within the context of a rapidly changing external environment. You will also develop leadership and management skills including the ability to think and work strategically and creatively. Our strong partnerships with business and industry allow the programme to be as relevant as possible and this is additionally strengthened through input by guest speakers from these sectors. This focus is strengthened by a research methods module and dissertation, both of which provide students with the opportunity to research a key HR issue from a comparative international and/or cross-cultural perspective. In addition, you will develop transferable skills such

Campus
Hamilton

School
Business

Entry
An undergraduate degree in any discipline or equivalent. Applicants with relevant professional experience will also be considered for entry to the programme. (Please also see page 196 for more details).

Intake
January and September

Duration
MSc 1 year
Diploma 9 months

Contact
Isobel McDonald
+44 (0)141 848 7044
uni-direct@uws.ac.uk

as teamwork, communication skills and independent learning skills, all of which enable graduates to contribute positively in the global business environment.

COURSE CONTENT

Modules include –

- Business Management in an International Context
- Managing Financial and Information Resources
- International Human Resource Management
- Marketing, Innovation, Creativity & Entrepreneurship
- Strategic Management in an International Context
- Research Methods
- Cross-Cultural Management and Diversity

MSc

The MSc dissertation allows students to devise and complete a detailed piece of research in an HRM topic of their own choice gaining further skills and knowledge that is invaluable for future career enhancement.

CAREER PROSPECTS

The programme aims to produce graduates who are highly competent within the discipline of International Human Resource Management. Graduates will be able to understand the international dimensions of Human Resource Management in the context of an increasingly interconnected and globalising world economy. They will also be equipped with the skills to apply this knowledge in order to manage diverse workforces across cultural boundaries. Graduates may choose either to specialise in HRM or to apply for more general management positions. In addition, this degree will be particularly useful to those intending to pursue a career with multinational organisations. Graduates from this programme will be typified by high-level transferable skills including problem-solving and decision-making, communication of complex ideas, team working and the ability to work under tight deadlines and associated constraints.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

International Operations Management

EFFICIENT AND EFFECTIVE MANAGEMENT OF OPERATIONS, IN THE CONTINUOUSLY EVOLVING GLOBAL MARKET, IS ESSENTIAL IN ACHIEVING NATIONAL COMPETITIVENESS, AND FORMS THE BASIS FOR ADVANCEMENT IN DEVELOPING ECONOMIES. THIS NEW UWS PROGRAMME FOCUSES ON EQUIPPING YOU WITH THE ESSENTIAL KNOWLEDGE AND SKILLS TO HELP YOU EMBARK ON A CAREER AS AN OPERATIONS MANAGER IN A VARIETY OF GLOBAL INDUSTRIES.

In the highly competitive global marketplace the pressure on organisations to find new ways to create and deliver value to customers grows ever stronger. Management of operations requires cross-functional understanding and sound technical and managerial skills that are becoming more and more important with the inevitable challenges brought about by consumer demand for greater choice and improved value, the globalisation of operations, intensified competition, environmental and corporate responsibility issues, and increasingly turbulent and expanding markets.

This MSc is specifically designed for those seeking to gain academic and practical experience in the area of operations management in manufacturing, service or distribution organisations, as the step towards a professional or managerial career.

Through the core UWS business modules, you will gain a thorough grounding in the knowledge and skills essential for a management career in business and industry with particular emphasis on strategy, and internationalisation, all within the context of a rapidly changing external environment. You will also develop leadership and management skills including the ability to think and work creatively.

Through the subject specific modules, the programme examines current practices, issues and trends in operations management to provide a solid background to knowledge and practices in critical areas of operations management. Overall the programme aims to:

- provide extensive, detailed and critical knowledge to meet the challenges of careers in business and management

Campus

Hamilton

School

Business

Entry

An undergraduate degree in any discipline or equivalent qualifications. Applicants with relevant professional experience will also be considered for entry to the programme. (Please also see page 196 for more details).

Intake

January and September

Duration

MSc 1 year

Diploma 9 months

Contact

Dr Athanassios Kourouklis
+44 (0)141 848 7044
uni-direct@uws.ac.uk

- develop technical and analytical skills required in the management of operations in global supply chains
- promote a critical awareness of current issues that have an impact on the management of operations in a global environment
- assist you to develop further the skills required for planning and executing a project of research, investigation or development
- offer the opportunity to engage and complete a significant project of research in the field of operations management
- enhance critical reasoning and communication skills in preparation for employment

COURSE CONTENT

Modules include:

- Business Management in an International Context
- Managing Financial and Information Resources
- Strategic Management in an International Context
- Marketing, Innovation, Creativity & Entrepreneurship
- Research Methods
- Strategic Perspectives in Global Operations Management
- International Sales Inventory and Operational Planning

MSc

The MSc dissertation allows students to devise and complete a detailed piece of research in a theoretical or applied topic gaining further skills and knowledge that is invaluable for future career enhancement.

Placement may be available at this stage. These placements are usually with local companies and students are involved in projects of applied nature, supervised by a small team comprising academic members of staff and company employees.

CAREER PROSPECTS

This programme aims to develop graduates who will be able to help their companies build a competitive edge based on high levels of technical and managerial competence and a clear understanding of issues that relate to global supply chains. Typical roles will include production managers, warehouse managers, operations managers and production planners. Graduates of this programme will possess transferrable skills including problem-solving and decision-making skills, conceptual skills, the ability to work under tight deadlines and associated constraints, as well as team working and leadership skills.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

International Management

THE MODERN BUSINESS WORLD NEEDS MANAGERS WHO CAN UNDERSTAND THE COMPLEX CHALLENGES THAT SHAPE TODAY'S INCREASINGLY GLOBALISED MARKETPLACE AND KEEP UP WITH THE PACE OF CHANGE.

This UWS programme aims to provide students with a good grasp of the major theoretical and conceptual tools of international management and will enable you to apply these theoretical and conceptual tools to situations in which a high level of managerial competence is required.

Designed to provide recent graduates of all subject areas and backgrounds with a comprehensive overview of the key areas of international management and an understanding of the essential concepts in international management, the programme will also appeal to graduates with a non-business degree, such as engineering, sciences, arts and social sciences, with little or no work experience.

As leadership and management skills become increasingly essential for organisational success, students of international management need to develop a robust set of analytic tools in order to play a productive role in the management of international business organisations by developing global perspectives of business and management that are informed by a sound understanding of the wider

cultural and national contexts in which organisations exist.

The continuing challenges of change and adaptation mean that managers in the internationalising economy require the vision and confidence to address a rapidly shifting marketplace and the dynamics of changing contexts.

Through the core UWS business modules, you will get a thorough grounding in the knowledge and skills essential for a management career in business and industry with particular emphasis on strategy, creativity, leadership and internationalisation, all within the context of a rapidly changing external environment. You will also develop leadership and management skills including the ability to think and work strategically and creatively.

Campus

Hamilton

School

Business

Entry

An undergraduate degree in any discipline or equivalent. Applicants may also be considered with other academic, vocational or professional qualifications deemed to be equivalent. Applicants with relevant professional experience will also be considered for entry to the programme. (Please also see page 196 for more details).

Intake

January and September

Duration

MSc 1 year

Diploma 9 months

Contact

Andrew Burnett

+44 (0)141 848 7044

uni-direct@uws.ac.uk

COURSE CONTENT

Modules include:

- Business Management in an International Context
- Managing Financial and Information Resources
- Leadership and Change
- Strategic Management in an International Context
- Marketing, Innovation, Creativity & Entrepreneurship
- Research Methods
- Contemporary Organization Theory

MSc

The MSc dissertation allows students the opportunity to devise and complete a detailed piece of research in an international management topic of their own choice gaining further skills and knowledge that is invaluable for future career enhancement.

CAREER PROSPECTS

This UWS course will develop knowledge and understanding combined with business and management skills suitable for professional practice at middle management in an international context. Graduates will develop a sound understanding of international management contexts and will be able to make an early and significant contribution to their employer. The programme covers general management and its key functional areas and the development of the applied professional skills, practices and techniques in the management environment. Participants will acquire important analytical and management skills required for a successful career in a variety of generalist managerial roles. Graduates from this programme will be typified by high-level transferable skills including problem-solving and decision-making, communication of complex ideas, team working and the ability to work under tight deadlines and associated constraints.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

International Marketing Management

INTERNATIONAL MARKETING IS AN INCREASINGLY IMPORTANT AREA OF BUSINESS AS COMPANIES STRIVE TO GROW GLOBALLY.

The programme has been designed to provide graduates of any discipline with a rigorous education in general management skills and in the many complex issues associated with marketing in an international context. The MSc will add value to students' first degrees by developing an integrated and critical awareness of international marketing and aims to:

- develop your skills within the discipline of international marketing within organisations, and the various external factors which influence their operation
- examine the implication and application of contemporary thinking on global marketing management
- prepare you for a career in international marketing by developing skills at a professional level, or as a preparation for research or further study in the area
- develop your ability to apply knowledge and understanding of international and global marketing to complex issues, both systematically and creatively, to improve marketing practices

- enhance lifelong learning skills and personal development in order for you to work with self-direction and originality and to contribute to business and society at large

Through the core UWS business modules, you will gain a thorough grounding in the knowledge and skills essential for a management career in business and industry with particular emphasis on strategy, creativity, leadership and internationalisation, all within the context of a rapidly changing external environment. You will also develop leadership and management skills including the ability to think and work strategically and creatively. Through modules such as Strategic Marketing in an International Context, Business to Business Marketing and Research Methods, you will develop applied skills in areas such as plan writing, devising communications programmes and conducting marketing research. Teamwork, communication skills and independent learning skills are all fostered within the course.

The University's close contact with industry ensures that the programme will be as industry interactive and relevant as possible, and students' learning will be additionally

Campus

Hamilton

School

Business

Entry

An undergraduate degree in any discipline or equivalent. Applicants with relevant professional experience will also be considered for entry to the programme. (Please also see page 196 for more details).

Intake

January and September

Duration

MSc 1 year

Diploma 9 months

Contact

Dr Pravin Balaraman
+44 (0)141 848 7044
uni-direct@uws.ac.uk

strengthened through input from guest speakers and where possible, study visits. Students will be encouraged to undertake projects relevant to their specific areas of interest and experience and where possible will be encouraged to seek out industry relevant projects that offer the opportunity to develop contacts and networks within the wider marketing sector.

You will also encounter different learning methods such as case studies and role-play scenarios.

COURSE CONTENT

Modules include:

- Business Management in an International Context
- Managing Financial and Information Resources
- International and Global Marketing
- Strategic Management in an International Context
- Marketing, Innovation, Creativity and Entrepreneurship
- Research Methods
- Business to Business Marketing

MSc

The MSc dissertation allows students to devise and complete a detailed piece of research in an international marketing management topic of their own choice gaining further skills and knowledge that is invaluable for future career enhancement.

CAREER PROSPECTS

Graduates will develop a sound understanding of international marketing management contexts and will be able to make an early and significant contribution to their employer.

Graduates from the programme may expect to take up a variety of roles within international business. Typical roles include those in business development and account management, with emphasis on advertising, market research/business analysis, selling, and public relations. Graduates from this programme will be typified by high-level transferable skills including problem-solving and decision-making, communication of complex ideas, team working and the ability to work under tight deadlines and associated constraints.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

Law

(Grad Cert)

THE GRADUATE CERTIFICATE IN LAW IS OFFERED ON A PART-TIME EVENING OR DAY BASIS. THE PROGRAMME IS AIMED AT GRADUATES FROM A WIDE RANGE OF DISCIPLINES, INCLUDING THOSE WHO HAVE NOT STUDIED ANY LAW AS PART OF THEIR FIRST DEGREE.

Designed to supplement students' existing knowledge and offer a valuable grounding in legal issues, the programme will enhance their graduate career prospects. Employees involved in human resource management, for example, will find the programme beneficial in its coverage of employment law and human rights law – areas which are especially relevant in this sector. Similarly, students from a general management, marketing or public sector management background will be able to select modules to suit their specific needs. In all law modules the assessed coursework will be based on investigation of relevant legal concepts and either analysis and evaluation, or the application, of legal concepts to hypothetical problems. In addition, students will be encouraged to take a critical approach. The ability to evaluate the law and to draw independent conclusions will be developed progressively in each module.

COURSE CONTENT

The Graduate Certificate in Law introduces students both to the general principles of law and to those more

specialised aspects of the Scottish legal system. Students may study a number of legal topics which include human rights law, employment law, media law, medical law and ethics, and consumer law. The University regards law as not only a vocational study, but also as a broad liberal education and to this end, both the practical and theoretical aspects of current legal developments are examined rigorously.

PROFESSIONAL RECOGNITION

Some law modules will provide subject-by-subject exemptions from the examinations of the relevant professional bodies. Students who wish to go into legal practice may receive subject exemptions from fast-track LLB programmes or exemptions for certain subjects, if they choose to work in a law office and take the Law Society exams as a route into the legal profession.

***INTRODUCTION TO SCOTS LAW**

If you have not already completed an introductory course in law, you will be required to complete the Introduction to Scots Law module before continuing with the law modules required to attain the Graduate Certificate. The

Campus

Hamilton, Paisley

School

Business

Entry

Degree, or equivalent qualification, plus completion of introductory course in law. *(Please also see page 196 for more details)

Intake

January or September

Duration

Certificate (part-time)

1 year minimum

Contact

Lifelong Learning Academy
+44 (0)141 848 3193
 or +44 (0)141 848 7044
 lifelonglearning@uws.ac.uk

NB Topics selected to run in the evening will vary from year to year. Please contact the Lifelong Learning Academy for more details.

NB Please see page 62 for details of the LLB.

Introduction to Scots Law module provides an introduction to law for business, with particular emphasis on the Scottish legal system, sources of law, law of contract, law of agency and law of delict. This module can be undertaken on a part-time day or evening basis during Trimester 1 as preparation for the advanced modules of the Graduate Certificate.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

Law (LLB)*

THE BACHELOR OF LAW SEEKS TO PROMOTE KNOWLEDGE, UNDERSTANDING AND A CRITICAL AWARENESS OF A RANGE OF MAJOR CONCEPTS, VALUES, PRINCIPLES AND RULES OF THE SCOTTISH LEGAL SYSTEM.

It aims to prepare students for entry to the legal profession in Scotland and is the foundation degree for qualification as a solicitor in Scotland. After successful completion of the LLB, graduates may apply for entry to a Professional Education and Training 1 (PEAT 1) vocational programme and thereafter seek to secure a two year traineeship within a law firm.

Students are given the opportunity to study in-depth a variety of specialist branches of law, as well as gaining an understanding of the workings of the Scottish legal system and court structures. You will be encouraged to adopt a contextual approach to the study of law, with special emphasis attached to the relevant social, economic, and political contexts in which law operates.

The course aims to facilitate the acquisition of generic and specialist transferable skills relevant to both a career in law and in the wider business sector. Students will benefit from a range of practical teaching methods and will build an e-portfolio of key personal and employability skills. Students may also benefit from participating in Law Wise, the Law Clinic of University of

the West of Scotland. Law Wise is part of a unique partnership between the University and Renfrewshire Law Centre and allows students to gain invaluable work experience by working with experienced solicitors in a variety of areas of law. The course also includes a number of field visits including trips to the Scottish Parliament, the High Court and the Sheriff Courts.

COURSE CONTENT

Core modules include:

- Legal Systems and Skills 1 (20 credits)
- Legal Systems and Skills 2 (20 credits)
- Public Law (20 credits)
- Criminal Law (20 credits)
- Law of Evidence (20 credits)
- Delict & Related Obligations (20 credits)
- Contract & Related Obligations (20 credits)
- Property, Conveyancing & Tax (20 credits)
- Property, Trusts & Succession (20 credits)
- Family Law (20 credits)
- Commercial Law (20 credits)
- Company Law (20 credits)

UCAS

M115 P LLB

Please note applications for this programme should be submitted through the Universities and Colleges Admissions Service (UCAS). The UWS institution code is U40.

Campus

Paisley

School

Business

Entry

This programme is suitable for graduates of all disciplines. References/interview may be required. (Please also see page 196 for more details).

Intake

September

Duration

LLB (full-time) 2 years.
This is an accelerated degree.

Contact

Dale McFadzean
+44 (0)141 848 3486
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

*At time of print course offered subject to final University approval

NB Please see page 60 for details of the Graduate Certificate in Law.

CAREER PROSPECTS

For graduates wishing to qualify as a solicitor in Scotland, the LLB qualifies graduates for application to enter PEAT 1, the vocational stage of study prior to applying for a traineeship as a solicitor. Additionally, the LLB remains one of the elite degrees and is much sought after by employers. A wide range of employers actively recruit law graduates, particularly in business and the public sector. Examples include the financial sector, the civil service, local government, health authorities, voluntary organisations, higher and further education institutions, the police force and retailers. The LLB can also be a useful qualification for further career enhancement with your existing employer.

PROFESSIONAL RECOGNITION

The course is expected to receive accreditation by the Law Society of Scotland in Spring 2012.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

Logistics and Supply Chain Management

IN TODAY'S HIGHLY COMPETITIVE AND GLOBAL MARKETPLACE, THE PRESSURE ON ORGANISATIONS TO FIND NEW WAYS TO CREATE AND DELIVER VALUE TO CUSTOMERS IS INCREASING. IN THE LAST TWO DECADES, LOGISTICS AND SUPPLY CHAIN MANAGEMENT HAS MOVED TO THE CENTRE STAGE TO BECOME A KEY DETERMINANT OF BUSINESS COMPETITIVENESS.

Logistics is a term widely used in business for a range of activities associated with the efficient and effective flow and storage of goods, services and related information from the point of origin to the point of consumption in response to consumer requirements.

Management of these activities has been revolutionised over the past twenty years by addressing logistical issues through an extended perspective of the supply chain that incorporates concepts from several management disciplines, including strategy formation and the theory of the firm; logistics and manufacturing management; management accounting; marketing; and operations research.

Management of the supply chain, therefore, requires cross-functional understanding and sound technical and managerial skills that are becoming more and more important with the inevitable challenges brought about by consumer demand for greater choice and improved value, the globalisation of operations, intensified competition,

environmental issues and increasingly turbulent and expanding markets.

COURSE CONTENT

This course examines current practices, issues and trends in the field and provides students with both a specialist knowledge and basic training in related business disciplines to design and manage efficient and effective logistics and supply chain systems. The course is structured around four core modules and a choice of options that offer in-depth study in the specialist area of logistics and supply chain management, as well as knowledge and understanding on ancillary subjects that enhance the theoretical and practical aspects of the specialisation. Students will study the following core modules:

- Logistical Resources (20 credits)
- Global Supply Chain Management (20 credits)
- Modelling the Supply Chain (20 credits)
- Operations and Project Management (20 credits)

Campus

Paisley

School

Business

Entry

Candidates for the Postgraduate Diploma should normally possess an Ordinary degree, or equivalent, and have obtained an average mark of 50% or more across their final year taught modules. MSc applicants require an Honours degree or equivalent. The first degree should be from a related subject discipline such as engineering, maths, economics, business studies, geography, planning or social studies. Applicants with professional experience will also be considered. Diploma students who satisfy the progression requirements will then be eligible to pursue the MSc. (Please also see page 196 for more details).

Intake

January and September

Duration

MSc (full-time/part-time)

1 year/3 years

Diploma (full-time/part-time)

9 months/2 years

Contact

Dr Athanassios Kourouklis

+44 (0)141 848 3497/3839

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

Students will also select 40 credits from the following option modules:

- Financial Resources (10 credits)
- Statistical Quality Control (20 credits)
- Interpersonal Skills and Change Management (10 credits)
- Knowledge Management – Principles and Practice (20 credits)
- Research Methods (10 credits)
- M-Business (20 credits)
- Business to Business Marketing (10 credits)
- Knowledge Management and the Organisation (20 credits)

MSc

On successful completion of the Postgraduate Diploma students will progress to the MSc dissertation which will involve an individual thesis on a research or application-based topic.

CAREER PROSPECTS

Developments have created a healthy demand for qualified supply chain managers with employment possibilities in a wide range of both public and private organisations in recruiting areas that include: government agencies; consultancy firms (supply chain management); logistics service companies; manufacturing and retailing companies; transport companies; and planning and transport departments in local authorities. The course attracts an international cohort of students and recent graduates have been employed by companies such as Toyota UK, Volvo Trucks Europe, Vestas (renewable energies), Rawlplug, Premier Foods, The Edrington Group, European consultancy groups, and other companies around the world.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

Management and New Technology

WITH THE DEVELOPMENT OF WEB 2 TECHNOLOGIES, OPEN SHARING (GOOGLE), VIRTUAL ENVIRONMENTS, FREE SPECIALIST SOFTWARE, CLOUD STORAGE AND THE INTRODUCTION OF SMARTPHONES, TABLETS AND HANDHELD DEVICES; MANAGERS ARE ABLE TO ACCESS AND WORK ON A 24-HOUR BASIS (ASSUMING THEY KNOW HOW TO INTEGRATE THIS NEW TECHNOLOGY INTO THEIR WORKING PRACTICES). THE FOCUS OF THIS PROGRAMME IS ON THE ROLE OF MANAGEMENT AND THE BENEFITS AND DRAWBACKS OF NEW TECHNOLOGY IN MEETING THE NEEDS OF MANAGERS, BUSINESS AND USERS.

Through advanced study of management and new technology within organisations, and the changing external context in which they operate, you will develop the ability to apply knowledge and understanding of management and new technology to complex issues, both systematically and creatively, to improve management and new technology practice.

This UWS programme will add value to your first degree by developing your understanding of management and new technology and its role in organisations to enable you to take an effective role in this field upon graduation.

Through the core UWS business modules, you will get a thorough grounding in the knowledge and skills

essential for a management career in business and industry, with particular emphasis on strategy, creativity, leadership and internationalisation, all within the context of a rapidly changing external environment. You will develop the skills necessary to function as an effective information manager within a variety of business environments through a solid theoretical and practical basis in the key areas related to the efficient management of Information and Communication Technologies. Students will:

- develop a comparative and focused knowledge in the field of Management and New Technology
- develop critical thinking in the essential theories, principles and concepts of Management and New Technology

Campus

Hamilton

School

Business

Entry

An undergraduate degree in any discipline or equivalent. Applicants with relevant professional experience will also be considered for entry to the programme. (Please also see page 196 for more details).

Intake

January and September

Duration

MSc 1 year

Diploma 9 months

Contact

Allan Burns

+44 (0)141 848 7044

uni-direct@uws.ac.uk

- gain an understanding of both the intra-relationships between the subject areas that constitute Management and New Technology and the inter-relationship between Management and New Technology and other disciplines
- build skills for gathering, analysing and presentation of information, ideas and concepts appropriate to their chosen career path
- gain relevant specialist and generic skills to enable you to pursue your chosen vocational path
- develop critical reflection and thinking upon both knowledge and experience

COURSE CONTENT

Modules include:

- International Business Management
- Managing Financial and Information Resources
- Management & Social Networking Technology
- Management and Mobile Technology
- International Strategic Management
- Marketing, Innovation, Creativity & Enterprise
- Research Methods
- Information Asset Management

MSc

The MSc dissertation allows students to devise and complete a detailed piece of research in a Management and New Technology topic of their

own choice gaining further skills and knowledge that is invaluable for future career enhancement.

CAREER PROSPECTS

The programme is a solid preparation for a career in management and new technology by developing skills at a professional or equivalent level, or as a preparation for research or further study in the area. Typical roles include management consulting, information officers, knowledge officers, or a role specifically aligned to your earlier studies but incorporating the management and new technology focus. Graduates will therefore develop a sound understanding of management and new technology contexts and will be able to make an early and significant contribution to their employer. Graduates will have developed leadership and management skills, enhanced by their integrated knowledge and understanding of core processes such as finance, marketing, HRM and operations. Students will develop the ability to think and work strategically and creatively and graduates will be typified by high-level transferable skills including problem-solving and decision-making, communication of complex ideas, team working and the ability to work under tight deadlines and associated constraints.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

Master of Business Administration (MBA)

THE MBA IS A WELL-RECOGNISED WORLD BRAND. WITH ITS EMPHASIS ON 'LEADERSHIP THROUGH STRATEGIC MANAGEMENT', IT IS WIDELY VIEWED AS THE LEADING INTERNATIONAL MANAGEMENT QUALIFICATION. ORGANISATIONS (AND INDEED WIDER SOCIETY) NEED GRADUATES WHO CAN THINK AND OPERATE AT A STRATEGIC LEVEL.

Heightened competition, more demanding and discerning customers, changing working practices, globalisation, social and ethical responsibility are just some of the factors that need to be addressed and managed. Against this background, the UWS MBA seeks to equip students with the skills and knowledge to effectively manage and develop the modern organisation. It is therefore structured to cover core management subjects, with particular emphasis on strategy, creativity, leadership and internationalisation, all within the context of a rapidly changing external environment.

The MBA programme is a one year full-time programme delivered over three trimesters. As well as providing essential core business knowledge and understanding, the programme places a strong emphasis on developing the applied managerial skills that are vital to be an effective business leader. Using business simulation exercises, role play, case studies, in-company analysis etc, your communication, negotiation and

facilitating skills will be developed and enhanced. The aim is to produce MBA graduates of the highest quality who can respond creatively and effectively to the challenges of the global business environment.

Students of the MBA will have highly developed leadership and management skills. These skills will be enhanced by their integrated knowledge and understanding of core processes such as finance, marketing, HRM and operations. Students will develop the ability to think and work strategically and creatively. Graduates from this programme will be typified by high-level transferrable skills including problem-solving and decision-making, communication of complex ideas, team working and the ability to work under tight deadlines and associated constraints.

Campus

Hamilton

School

Business

Entry

An Honours degree awarded by an appropriate institution, or a postgraduate award (passed at an appropriate level), or a final qualification of a professional body acceptable to the University and 2 years' relevant managerial experience. In exceptional circumstances, applicants may also be considered with other academic, vocational or professional qualifications deemed to be equivalent. (Please also see page 196 for more details).

Intake

January and September

Duration

MBA 1 year

Contact

Dr Sandra Hill
+44 (0)1698 283100
 or +44 (0)141 848 7044
 uni-direct@uws.ac.uk

COURSE CONTENT

Core modules include:

- Simulating Business Functions
- Leadership in Organisations
- Managing Capital Resources
- Business Creativity
- Global Business Management
- Strategy in Action

Students will also choose optional topics including:

- Marketing Practice
- Monetary and Financial Systems
- The Role of HRM Strategy
- Internationalisation of Retailing

The Strategic Business Project, carried out in the second and third trimester, is designed to develop research knowledge and skills and enhance the confidence of students in designing, developing, compiling and delivering strategic business solutions. Working with an identified host organisation, the student will investigate and produce recommendations in a practical business environment.

CAREER PROSPECTS

The MBA programme develops high level performers who are in demand by a range of organisations. For those graduates who want to start or develop their own business, the programme will help develop the knowledge and skills which are crucial to success in a competitive global environment.

Please see our website for latest details of courses
www.uws.ac.uk/business

BUSINESS

Research Methods for Business, Cultural and Social Sciences Researchers

THIS PROGRAMME OFFERS FLEXIBLE AND COMPREHENSIVE RESEARCH TRAINING AND DEVELOPMENT TO RESEARCH STUDENTS OF THE FACULTY OF BUSINESS AND CREATIVE INDUSTRIES AND MORE WIDELY IN SOCIAL SCIENCES.

It provides a solid grounding in the philosophy and techniques of research and the research process for students wanting to undertake research at postgraduate level. The ethos of the programme is facilitated research-related learning and interdisciplinarity. It capitalises on cross-faculty links in research and research informed teaching provision.

The new Economic and Social Research Council's (ESRC) guidelines for postgraduate training puts strong emphasis on the development of generic skills in research provisions and interdisciplinarity, as well as transferable skills of the researcher. The programme embraces this philosophy and focuses on student-centred facilitated learning. Students will be introduced to the learning and teaching skills and knowledge required to become a University lecturer and a member of the academic community, active in research.

COURSE CONTENT

Postgraduate Certificate

Core modules:

- Requirements for PhD (20 credits)
- Qualitative Methods (20 credits)
- Quantitative Methods (20 credits)

Postgraduate Diploma

On successful completion of the Postgraduate Certificate, students may progress to the Postgraduate Diploma. In addition to the core modules listed, students should select two optional modules at 20 credits:

Core modules:

- Research Design and Process (20 credits)

Plus two optional modules from:

- International and Global Marketing (20 credits)
- Marketing Communications (20 credits)
- Knowledge Management and the Organisation (20 credits)
- Leadership and Change (20 credits)
- Advanced Management Theory (20 credits)
- Operations and Project Management (20 credits)
- Modelling the Supply Chain (20 credits)
- Learning and Development (20 credits)
- Managing Information for HRM (20 credits)
- Practice and Theory in HE (20 credits)

Campus

Paisley

School

Business/Creative and Cultural Industries

Entry

Candidates for the Postgraduate Certificate should normally possess a Bachelor Degree, or equivalent, and have obtained an average mark of 50% or more across their final year taught modules.

MSc applicants require an Honours degree or equivalent. (Please also see page 196 for more details).

Intake

September

Duration

MSc (full-time) 1 year

Diploma (full-time) 9 months

PG Cert (full-time) 6 months

Contact

Dr Katarzyna Kosmala
Programme Leader

+ 44 (0)141 848 3000

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

"The course offered an insight into possible career progression and allowed me to progress my independent study skills. I have recently secured a place on a PhD studentship."

Daniele Farrel,

MSc student

- Business and Professional Ethics (20 credits)
- International Banking (20 credits)
- Money and Finance in LDCs (20 credits)
- Banking – Corporate Customers (20 credits)
- Insurance (20 credits)
- Social Media: Manipulation & Impact (20 credits)
- International Entrepreneurship (20 credits)
- Journalism and Public Affairs (20 credits)

or any other subject specific option in CCI and Social Sciences.

When selecting their optional modules, students will be guided by their MPhil/PhD supervisors.

Masters

- MSc Project (Research Methods) (60 credits)

On successful completion of the Postgraduate Diploma students will progress to the MSc dissertation which will involve undertaking a significant piece of research forming the basis of the Masters' project.

CAREER PROSPECTS

The programme emphasises a commitment for researchers and doctoral students' professional development and puts the advancement of their academic careers at the forefront.

"I would recommend the course to new students looking for a grounding in research methods that will help them in their research careers. Having a research qualification as well as research experience will pay off in the employment market as it demonstrates the ability to properly plan and reflect on research as well as being able to carry it out."

Christine Reilly,
PhD candidate

"The MSc enabled me to consider a wide variety of approaches to research, consolidating and adding to my knowledge and expertise. The balance between sophisticated, critical reflection and practical application meant that the course was both useful and stimulating, and covered essential areas. It had an immediate impact on my professional teaching practice and encouraged me to further develop my particular research interests."

Andrew Jarvis,
Lecturer in Film Studies

COMPUTING

OFFERING A RANGE OF CAREER-FOCUSED PROGRAMMES, OUR SCHOOL OF COMPUTING IS RECOGNISED BY INDUSTRY GIANTS SUCH AS MICROSOFT, CISCO, ORACLE AND THE BRITISH COMPUTER SOCIETY.



COMPUTING

UWS IS THE FIRST UNIVERSITY IN THE UK TO BE ACCREDITED BY MICROSOFT AND CISCO. IT IS ALSO THE FIRST UNIVERSITY IN SCOTLAND TO ADOPT BOTH THE ORACLE ACADEMY INTRODUCTION TO COMPUTER SCIENCE AND ADVANCED COMPUTER SCIENCE PROGRAMMES. IN ADDITION, UWS IS ALSO NOW THE LEAD REGIONAL TRAINING CENTRE FOR IBM IN SCOTLAND.

We are one of the leading players in computing and modern, IT-driven business systems. This allows us to develop extensive expertise in research and development, working in collaboration with international companies and smaller local businesses. We can therefore offer a diverse range of career-focused postgraduate programmes.

We have a long-standing tradition and proven track record in the provision of services to industry, including knowledge and technology transfer in the form of training, consultancy and contract research.

Strong relationships have been forged with a variety of industrial and business partners and research institutes within the UK and abroad. These relationships have been enhanced by collaborative funding to develop business and technical IT-driven solutions, and to address real-world problems facing businesses both large and small. Such real world experiences have propagated into the content of our postgraduate programmes to ensure that they stay relevant and current with the developments in the field of computing.

The School of Computing offers an inspiring range of MSc programmes which are suitable for graduates who have significant computing knowledge as well as graduates from non-computing backgrounds:

- PgD/MSc Advanced Computer Systems Development (ACSD)
- PgD/MSc Enterprise Software Systems*
- PgD/MSc Information Technology (IT) with specialisms
- PgD/MSc Multimedia and Web Authoring (MMWA)

Graduates from disciplines such as business, science, engineering, construction, arts, human resources, sports, social sciences, media and journalism who wish to extend their knowledge into modern IT and business systems could enhance their employability prospects by joining one of the two following MSc programmes which are suitable for non-computing graduates. The MSc in Information Technology will enable a career change into IT systems development, deployment and management

Section contents

Advanced Computer Systems Development Enterprise Software Systems*	78
Information Technology Multimedia and Web Authoring	80
	82
	84

*At time of print, course offered subject to final University approval.

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.

in modern business. It can also give you an advantage in securing a good job in your initial discipline and further your career. You can specialise in a technical and in-demand area such as Oracle database development and business deployment, or in a more business oriented specialism such as e-business or IT-enabled project management. Alternatively, you can choose to follow a career in multimedia and website development for which the MSc in Multimedia and Web Authoring programme would be suitable.

For the IT or computing graduate the MSc in Advanced Computer Systems Development programme is an ideal choice. The programme allows you to update and advance your skills and knowledge to the benefit of your career – it has been designed with significant industrial input and represents the latest developments in information systems analysis, design and implementation that are key areas of employment in the computing/IT sector.

In addition to the above programmes, we have been developing a new and specialist Masters degree in Enterprise Software Systems* for commencement in 2012. In the field of computing, new layers of complexity and new terminology continue to emerge at a rate that gives most ideas in computing a half-life of 10 years. Now that all companies have acquired computer solutions that address their business requirements, it is increasingly the case that enterprise software development involves getting separately designed corporate systems to work together. Furthermore, data governance and analytics has emerged as a new discipline for enterprises, which are operating in the digital environment. This new programme is our response to these needs, which has received strong endorsement from our industry partners.

IT ACADEMY

In addition to the MSc programmes offered, we operate a highly-successful, specialised business unit, the IT Academy, which focuses on creating and maintaining links with businesses by providing vendor-specific IT training/services to the business community.

The work of the IT Academy underpins many of our learning and teaching activities, with industry-certified courses from a range of vendors such as Adobe and Microsoft being included within our academic programmes.

RESEARCH OPPORTUNITIES

In the last Research Assessment Exercise, (RAE), Computer Science research at UWS was given an International Excellence rating. We have a number of active research groups which can offer suitably-qualified postgraduate students research opportunities (MSc/MPhil/PhD) in areas including:

- applied computing and intelligent systems
- database systems and semantic web
- business systems analysis and development
- eBusiness systems development and integration
- project management
- interactive systems
- audio-visual communications and networks

See our website at www.uws.ac.uk for more information.

FACILITIES

As you would expect, we offer access to high-quality computing and state-of-the-art software systems as well as tried and tested in-demand technologies such as Oracle, CIW, Adobe, CISCO, SAP and Microsoft.



COMPUTING

Advanced Computer Systems Development

THE FIELD OF COMPUTING AND INFORMATION TECHNOLOGY HAS CHANGED A GREAT DEAL AND BECOME INCREASINGLY COMPLEX IN RECENT YEARS. THE PACE OF CHANGE MAY MAKE MANY COMPUTING/I.T. GRADUATES AND PROFESSIONALS FEEL THAT THEY HAVE BEEN UNABLE TO KEEP UP WITH NEW DEVELOPMENTS IN THE FIELD. THIS PROGRAMME WILL BRING DEGREE-HOLDERS IN RELEVANT SUBJECT AREAS, OR EQUIVALENTLY QUALIFIED COMPUTER PROFESSIONALS WITH SIGNIFICANT EXPERIENCE, UP-TO-DATE IN SOFTWARE AND SOFTWARE DEVELOPMENT PRACTICES, ENHANCING THEIR ABILITY IN THE WORK SETTING.

In particular for employers it offers the ability to re-skill the workforce enabling them to implement new IT strategies or review current and developing trends to assess likely investment decisions. For employees it offers the ability to upgrade their skills and simultaneously enhance their qualifications.

The programme was designed with significant industrial input and represents the latest developments in computer systems analysis, design and implementation – the main areas of employment in the computing/IT sector.

COURSE CONTENT

Students follow up to three or four modules in each trimester from a range of core topics, which will include Service Oriented Development; Managing Projects and Information Security; Ethics

for the IT Professional; and Research Methods. A range of options^ will also be offered, which include Oracle Database Development, Oracle Database Applications, Interactive System Design, M-Business, Internet Technologies, Enterprise Systems Development, and Games Console Development. Full-time students undertake three or four modules and part-time students undertake two or three modules in each trimester. Each module represents either 100 hours (with 10 credits) or 200 hours (with 20 credits) of student effort.

A student needs to get 60 credits (ie three core modules (40 credits in total) plus one optional module (20 credits)) for a Postgraduate Certificate award and 120 credits (ie four core modules (60 credits in total) plus three/

Campus

Paisley

School

Computing

Entry

Applicants should have a degree with a substantial computing element from a course such as Computing or IT. Graduates in a scientific or engineering discipline who have studied a significant component of technical computing at all, or most levels, will also be considered. Professionals with experience in computing or IT who wish to update their skills in this area will also find the course of interest. (Please also see page 196 for more details)

Intake

September and February

Duration

MSc (full-time/part-time)

1 year*/2-3 years

Diploma (full-time/part-time)

9 months/2 years

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Dr Ying Liang

+44 (0)141 849 4015

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

^Options offered subject to demand.

four optional modules (60 credits in total)) for a Postgraduate Diploma award. In addition you will complete an individual project, equivalent to three 20-credit modules, for a Masters award.

CAREER PROSPECTS

This advanced programme of study develops skills in the analysis, design and implementation of advanced computer systems. It is anticipated that diplomates/graduates from this programme will be able to make an immediate contribution to IT functions within organisations or undertake further research towards a PhD. Past diplomates/graduates have been offered positions with organisations such as IBM, J P Morgan and Bank of Scotland, or by universities. Roles occupied by recent diplomates/graduates of the programme include:

- website manager
- business analyst
- doctoral (PhD) researcher
- database developer
- distributed software developer
- web applications developer
- software engineer
- project manager
- systems analyst
- university lecturer

PROFESSIONAL RECOGNITION

This course is recognised by the British Computer Society (BCS). Diplomates (PgDip) from this programme are exempt from Part I of the academic requirements for membership of the BCS, while graduates (MSc) are exempt from Part II and hence satisfy all of the academic requirements for membership of the BCS.



COMPUTING

Enterprise Software Systems*

THIS NEW, SPECIALIST, MASTERS PROGRAMME IS DESIGNED TO BUILD UPON YOUR COMPUTING EXPERTISE AND FOCUSES ON THE DEVELOPMENT OF HOMOGENOUS AND INTEGRATED COMPUTING SOLUTIONS THAT MEET THE BUSINESS REQUIREMENTS OF MODERN ENTERPRISES.

As enterprises grow in scale they naturally seek computing solutions to assist their operations. Over time, there is a tendency in all organisations, to deploy computing solutions, often running across different platforms, in a heterogeneous manner. However, in order to leverage maximum advantage from the computing capitol, modern organisations require enterprise integration professionals to identify the value of their computing systems and seek to integrate them where necessary in order to streamline operations, and maximise efficiencies and effectiveness. This programme has been designed to produce computing professionals who can fulfil this role.

This advanced programme has been designed with industrial backing and support and adheres to the UK QAA Benchmark Statement for advanced Masters degrees in computing.

COURSE CONTENT

Advanced and cutting-edge topics in enterprise software systems integration and usage are covered in this programme. These include Service Oriented Development, Enterprise Data Governance and Analytics, Enterprise

Systems Development, Semantic Issues of Information Systems (optional), Research Methods (optional), Business Systems Analysis (optional), Wireless Networking, Enterprise Knowledge Management (optional) and an MSc dissertation.

Students who successfully complete all taught modules will receive the award of Postgraduate Diploma and will be given the option of proceeding to the Masters dissertation. Students also have an option to spend a trimester at another EU university.

CAREER PROSPECTS

This programme equips students with advanced knowledge and skills for positions such as enterprise systems architect, IT consultant, website manager, database developer and IT project manager.

PROFESSIONAL RECOGNITION

As this is a new, advanced, programme of study, accreditation from the British Computer Society (BCS) is being sought.

Campus

Paisley

School

Computing

Entry

Applicants should have a Bachelors degree with Honours in Computing or Software Engineering.

Intake

September

Duration

MSc (full-time) ^1 year

Postgraduate Diploma

9 months

Postgraduate Certificate

4 months

^To obtain the MSc, students will usually take 9 months to gain the PgDip and normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Dr Junkang Feng

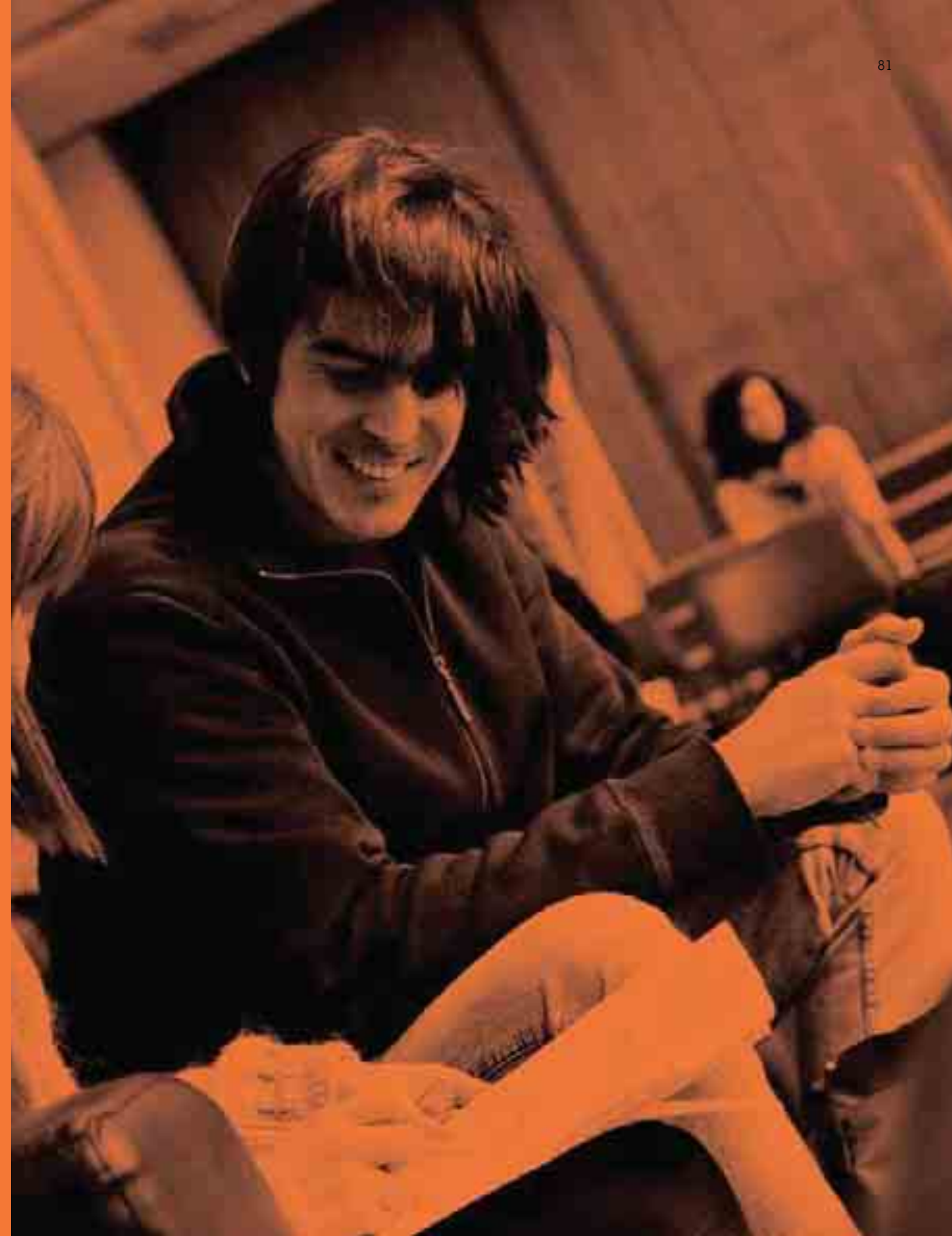
Programme Leader

+44 (0)141 848 3548

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

*At time of print, course offered subject to final University approval.



COMPUTING

Information Technology

THE PROGRAMME IS DESIGNED PARTICULARLY FOR THOSE WHO HAVE A DEGREE IN A NON-I.T. AREA, AND WHO WISH TO DEVELOP MODERN I.T. SKILLS AND KNOWLEDGE. THIS PROGRAMME IS AVAILABLE FULL-TIME, PART-TIME, AND BY DISTANCE LEARNING, ENABLING STUDENTS TO STUDY AT A TIME AND PLACE TO SUIT WORK AND OTHER COMMITMENTS.

Current business identifies the need for IT professionals who have excellent teamworking, analysis and project management skills, and who can design, deploy and utilise business-relevant IT systems and services. The postgraduate IT programme will help satisfy this need.

The programme seeks to widen and deepen students' understanding of modern IT-based business systems; address related development, acquisition and deployment issues of such systems in modern organisations; and introduce business concepts that will enable them to appreciate and implement strategies by which information technology can be managed and utilised fully.

Successful postgraduate students are able to re-orient their career towards the IT industry or re-engage with the profession of their first undergraduate discipline having added relevant IT and business knowledge and skills.

Upon successful completion, students will be able to develop, acquire and deploy information technology-based systems in a variety of business

settings. Understanding the business context and driving business case is key to the successful implementation of IT solutions in business organisations.

COURSE CONTENT

The option-rich postgraduate IT programme consists of a combination of core and option modules. (Options are offered subject to demand). The first trimester core modules broaden and deepen students' understanding of the current IT field and enhance their skills base with modern, vocationally relevant skills. Students will study topics and develop skills in areas such as databases and networks for business organisations, and object-oriented analysis and design methods for modern IT systems development. The first trimester core provides a foundation from which each student can choose either technically-oriented or business-oriented subjects as their area of specialism (theme) in the second trimester.

Campus

Paisley, Distance learning

School

Computing

Entry

Applicants should have a degree from a non-computing background or equivalent professional qualification and experience. Students from a business, social sciences, arts, sports science, engineering or science background are encouraged to apply to this IT programme. Students possessing an Ordinary degree can apply to enrol on the Postgraduate Diploma and, on successful completion, transfer to the MSc programme. (Please also see page 196 for more details)

Intake

September

Duration

MSc (full-time/part-time)

1 year*/2–3 years

Diploma (full-time/part-time)

9 months/2 years

Certificate (full-time/

part-time) 5 months
minimum/variable

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Costas Iliopoulos

+44 (0)141 849 4015

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

In the second trimester of studies diploma students can choose to follow technically-oriented themes such as Oracle database development including data mining and knowledge discovery, web technology development or business-oriented themes such as eBusiness including mobile business, management including strategic and project management.

Technically-oriented themes will enable students to focus on developing and fine-tuning technical skills such as programming, database design and developing and creating internet aware IT solutions for organisations.

Business-oriented themes will enable students to develop skills and strategies that will help business organisations put together and manage appropriate IT-driven solutions. All students, regardless of the theme they follow, will have the opportunity to use a variety of up-to-date software applications used in modern businesses.

Students can complete their Masters dissertation whilst working in industry. Further information regarding the postgraduate IT programme content is available on the University website www.uws.ac.uk

CAREER PROSPECTS

The postgraduate IT programme is career-focused and vocationally relevant. It equips students with the advanced knowledge and skills required for a successful IT career in business organisations. Recent graduates of the programme are employed in companies such as IBM, T-Mobile, CAP-Gemini, Amazon and Adobe Systems and SMEs. They have gained positions such as Business Systems Analyst, IT Consultant, Website Manager, Database Developer, Database Administrator, Project Manager, Network Manager and Systems Developer.

PROFESSIONAL RECOGNITION

Accreditation from the British Computer Society (BCS) is currently being sought.

IT ACADEMY

Our business wing, the IT Academy, is responsible for running vendor-specific training programmes from Oracle, SAP, Microsoft, Cisco, Adobe, Internet and Computing Core Certification (IC3), and Certified Internet Webmaster (CIW) among others. Graduates of the postgraduate IT programme will have the opportunity to undertake any of the above training programmes at an appreciably reduced cost, according to career aspirations.

COMPUTING

Multimedia and Web Authoring

THE PROGRAMME HAS BEEN SPECIFICALLY DESIGNED TO EQUIP NON-COMPUTING/I.T. GRADUATES WITH THE NECESSARY SKILLS REQUIRED FOR SUCCESSFUL CAREERS IN THE CREATIVE INDUSTRIES, AN AREA OF SIGNIFICANT GROWTH IN THE UK AND GLOBALLY.

Society increasingly generates, utilises and displays vast amounts of data and information. Irrespective of whether this is being used in a commercial, industrial or domestic environment, there is always the need to ensure that it is up-to-date and accurate, and is presented in the most convenient and appropriate manner. This Multimedia and Web Authoring programme prepares diplomats to work in the multimedia and web development areas.

In recent years, advances in computers, interactive technologies and the internet have enabled video, audio and text information to be processed and presented collectively as a single multimedia vehicle. This can then be communicated, with or without user interactivity, to a wide or targeted audience. Examples of this can be seen in marketing, education, training and direct sales applications. These areas are central to the Multimedia and Web Authoring programme as it focuses on how information is processed, edited, manipulated and finally communicated via modern technologies.

Within the course, theory and practical sessions are used to

explore the advances made in today's multimedia technology and how these can be exploited in the rapidly advancing market of multimedia and internet communication. The programme incorporates a variety of teaching and learning techniques including lectures, tutor-led labs and group projects to develop students' professional as well as practical skills.

Graduates from this programme will have acquired skills that will be of value to companies, large and small, who are exploiting the benefits of this growth area. They will be able to design, develop, analyse, evaluate and advise on the applicability and use of multimedia applications in a variety of domains. Many graduates also apply the skills they have gained from this programme to enhance their previous areas of knowledge or experience.

COURSE CONTENT

All students initially enrol on the Postgraduate Diploma which comprises seven taught modules. Students who perform sufficiently well on this programme will have the opportunity to progress to MSc level and undertake a major, individual project based upon

Campus

Paisley

School

Computing

Entry

Applicants must normally have a degree or equivalent qualification, or have gained equivalent experience in business or industry. This course is not suited to graduates of multimedia, media technology or related disciplines. (Please also see page 196 for more details).

Intake

September

Duration

MSc (full-time/part-time)

1 year*/2–3 years

Diploma (full-time/part-time)

9 months/2 years

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Tom Duff

+44 (0)141 848 3966

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

their chosen specialism. The core modules on the programme are:

- Integrated Multimedia (20pt module) – examines the development and production areas of multimedia where emphasis is placed on authoring, the use of text, colours, and image manipulation
- Web Programming and Production (20pt module) – provides an introduction to how documents with text and image content can be constructed for the World Wide Web using a range of software tools
- Database Concepts & Practice (10pt module) – demonstrates how to design and implement a database, and how the contents can be retrieved and manipulated through custom user interfaces
- Research Methods (10pt module) – discusses the uses of research, reasons for research, and the constraints of research and enables students to construct a suitable research strategy for a postgraduate research project
- Interactive Multimedia (20pt module) – develops the expertise to plan and implement interactive and dynamic multimedia content using appropriate authoring and scripting tools
- Networked Multimedia (20pt module) – examines the

difficulties inherent in distributing multimedia material over the internet and how, with modern technology and software strategies, these difficulties can be overcome and the full communication potential of the internet exploited

- Project (MSc students only) – equivalent to three modules (60pt module)

CAREER PROSPECTS

This practical programme provides a solid foundation in multimedia systems development before enabling you to specialise in web authoring or multimedia. The programme has been specifically designed to allow you to make an immediate contribution in the area of multimedia development and graduates of this course have acquired skills that are of great value to companies, of varying sizes, who are seeking to build on their multimedia activities. Graduates from this programme also have the potential to apply their newly-acquired multimedia skills and knowledge in order to enhance their previous areas of employment and expertise.

Positions occupied by recent graduates from the programme include: elearning developer; web development adviser; IT recruitment consultant; website manager; IT Trainer; web applications developer and college lecturer.

"Multimedia and Web Authoring was a stepping stone to changing career."

Anna Placido,
graduate

CREATIVE AND CULTURAL INDUSTRIES

EXCITING
PROGRAMMES
WHICH ANTICIPATE
THE SKILLS NEEDED
TO MEET THE
DEMANDS OF
THE CREATIVE
AND CULTURAL
INDUSTRIES.



CREATIVE AND CULTURAL INDUSTRIES

THE UNIVERSITY IS RAPIDLY GROWING ITS POSTGRADUATE/POST-EXPERIENCE PROVISION IN THE CREATIVE INDUSTRIES.

MEETING THE NEEDS OF THE CREATIVE INDUSTRIES

Our courses are designed to equip graduates from a range of disciplines for employment in the creative industries. Programmes are delivered by staff with wide-ranging experience in the media and music industries. Links with industry ensure our students enjoy hands-on experience in their chosen field.

GREAT FACILITIES

Recent accreditation by Skillset, the Sector Skills Council for Creative Media, has led to the creation of the UWS Skillset Media Academy. Operating across all four of our campuses and through the UWS Glasgow Creative Enterprise Cluster, the Academy offers a wide range of practice-led programmes that are supported by first-rate facilities including a £70 million pound investment in our new campus in Ayr. This ensures students are equipped with the skills in demand by the creative industries. To find out more visit www.uwsmediaacademy.com

Excellent facilities are a key part of the University experience and at Hamilton Campus, students can enjoy access to two fully-equipped radio studios, a brand-new TV studio, a newsroom and three Apple Mac labs.

Our new £70 million Ayr Campus opened in September 2011, featuring a range of high-specification equipment. Facilities across the Ayr and Paisley campuses include a cinema, TV and radio studios, recording studios, rehearsal rooms and a language centre.

RESEARCH

Our research activity covers a wide range of areas with recent work including:

- New Media @ the Olympics
- East-West Interactions Hybridity in digital media arts in Japan
- Scottish Production Archive
- Studies in youth and participatory arts, creative learning and cultural policy
- Island Cultural Archives
- Sculpture in Context – an investigation into site-specific sculpture in landscape
- Documenting Scots and the Arctic
- Public engagement with ethics/science

The School offers a year-round programme of events and seminars across our campuses and at CCA Glasgow.

Section contents

Broadcast Journalism	92
Creative Media Practice	94
Music: Innovation and Entrepreneurship	96
Research Methods for Business, Cultural and Social Sciences Researchers (See Business)	70
Songwriting and Performance*	98

*At time of print, course offered subject to final University approval.

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.



BROADCAST JOURNALISM

Accredited by the Broadcast Journalism Training Council, this practical, vocational programme is designed to produce graduates with the skills and knowledge employers would expect of professional journalists starting their careers. Recently validated as an MA, the course has an outstanding employment record. Recent graduates are now working for the BBC, STV, Radio Clyde, Westsound, Northsound, Radio Tay, Moray Firth Radio, the Scottish Football Association media office and a range of other high-quality journalism employers. To find out more about the programme and hear from our students visit www.uws.ac.uk/MAbroadcastjournalism

CREATIVE MEDIA PRACTICE

The MA Creative Media Practice is an innovative programme focusing on the development of your knowledge, understanding and creative and technical skills in the fast-moving areas of screen and broadcast, digital content creation and the wider creative industries.

Aimed at graduates from a wide range of disciplines, and industry professionals seeking to enhance or diversify their skills, this programme has been designed with industry input, including consultation with Scottish Screen and Skillset.

It will appeal to students with a wide range of career aspirations – whether your interests lie in working as an independent producer; film/TV scriptwriter; director; development producer for television; documentary maker; writer and producer/developer for digital media; motion graphics/production designer; or film-maker/motion graphics designer.

MUSIC: INNOVATION AND ENTREPRENEURSHIP

Aimed at those who are passionate about music and who want to set up their own music-related business this unique programme is the first of its kind in the UK. It will mainly be delivered at the Centre for Contemporary Arts (CCA) in Glasgow. The programme is ideally suited to artist entrepreneurs who wish to set up their own record labels, management or publishing companies but it also seeks to develop wider music-related business ideas.

At the leading edge of postgraduate activity in music the programme enjoys extensive backing from major figures within the UK music sector. Involvement of high-level practitioners from the creative industries and entrepreneurship in the delivery of the course ensures that it provides students with an unsurpassed real-world focus.

“There’s no way I’d be where I am now if I hadn’t done the course – the practical experience and contacts within the industry are so valuable, especially in such a competitive jobs market.”

Alison McDonald,
Broadcast Journalism graduate, now Broadcast Journalist with Northsound.

RESEARCH METHODS FOR BUSINESS, CULTURAL AND SOCIAL SCIENCE RESEARCHERS

This programme offers flexible and comprehensive research training and development to research students of the Faculty of Business and Creative Industries and more widely in Social Sciences. For more information see page 70.

SONGWRITING AND PERFORMANCE*

This unique programme focuses on developing songwriting/arts practice skills and is suited to graduates from a range of music/performance disciplines or industry professional writers/performers.

Delivered by professionals from the music industry and established songwriters, there is a strong emphasis on live projects, giving students the opportunity to develop their professional career while studying.

Sitting alongside the MA Music: Innovation and Entrepreneurship there will be opportunities to collaborate with other music-business orientated students, creating a potent industry microcosm.

"The practical experience gained on my course meant I was able to cope with any scenario in my first job. The contacts, skills and knowledge obtained on the course were invaluable then – and still are to this day."

AJ Jenkins,
Broadcast Journalist

*At time of print, course offered subject to final University approval.



CREATIVE AND CULTURAL INDUSTRIES

Broadcast Journalism

ACCREDITED BY THE BROADCAST JOURNALISM TRAINING COUNCIL, THIS PRACTICAL, VOCATIONAL PROGRAMME IS DESIGNED TO PRODUCE GRADUATES WITH THE SKILLS AND KNOWLEDGE EMPLOYERS WOULD EXPECT OF PROFESSIONAL JOURNALISTS STARTING THEIR CAREERS.

Recently validated as an MA, the course has an outstanding employment record. Recent graduates are now working for the BBC, STV, Radio Clyde, Westsound, Northsound, Radio Tay, Moray Firth Radio, the Scottish Football Association (SFA) media office and a range of other high-quality journalism employers.

COURSE CONTENT

Taught primarily in the University's purpose-built television and radio studios, students take the following six modules (20 credits each at SCQF11):

- News Journalism – students will compile and broadcast radio bulletins, newswriting, interviewing, editing and other skills are taught. Extensive professional voice coaching is also an important element of the course. Students are also introduced to online writing for the web and thinking about visual images.
- Journalism Law and Regulation – the main legal and regulatory issues that confront working journalists are analysed.
- Television Journalism – students make television packages, conduct live two-ways, write out of vision scripts, and present from brand new TV studios. You will be taught how to use film cameras and to edit using FinalCut.
- Advanced News Journalism – students continue to produce and broadcast radio bulletins. There is greater emphasis on presentation skills and online content in this module, which requires students to file video, audio and written work for the web.
- Journalism and Public Affairs – in this module, students engage with the major debates surrounding the reporting of government and politics.
- Features and Packaging – using sound effects, music, interview clips and the quality of your script, you will be expected to produce and voice radio packages to a professional standard.

Campus

Hamilton

School

Creative and Cultural Industries

Entry

University degree in any discipline or an equivalent qualification. Mature applicants with other qualifications and experience within the broadcast industry may be considered at the discretion of the Programme Leader. Applicants will also be expected to take a writing and voice test, as well as an interview. (Please also see page 196 for more details)

Intake

September

Duration

PgDip (full-time)

32 weeks (maximum)

MA can be completed during trimester three (summer) or on a part-time basis.

Contact

Ewan Crawford

+44 (0)1698 283100

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

By successfully completing these six modules you will be awarded a Postgraduate Diploma (120 credits). If you wish, you may continue to MA level (180 credits), which gives you the opportunity to produce a television or radio documentary.

Professional input is vital: full-time staff have extensive experience of both BBC and commercial broadcasting. In addition, visits are arranged to the BBC, STV and several commercial stations. There is a programme of guest lectures and talks from current working, broadcast journalists and editors.

WORK PLACEMENT

Work placement is an integral part of the course. Each student is sent on placement, often to commercial radio stations, which actively recruit from the course. Visits are also made to criminal courts and the Scottish Parliament.

CAREER PROSPECTS

Recent graduates are now working for the BBC, STV, Radio Clyde, Westsound, Northsound, Radio Tay, Moray Firth Radio, the Scottish Football Association media office and a range of other high-quality journalism employers.

PROFESSIONAL RECOGNITION

The programme is accredited by the Broadcast Journalism Training Council.



"The skills, knowledge and techniques I learned on the course meant I was quickly able to make a valuable contribution in a real-life newsroom environment. I was regularly being sent out to conduct interviews which featured in news reports for the BBC Six O'clock News, Reporting Scotland, Newsnight Scotland and The Politics Show. There's no way I would have had the necessary knowledge, experience or confidence to be entrusted with such important jobs had it not been for the course at UWS."

Ron Brown,
Assistant Producer,
BBC Question Time

"The course gave me invaluable hands-on skills which enabled me to enter a news room and hit the ground running. The practical news days were an amazing opportunity for me to develop my news instincts and find my own broadcasting voice. Highly recommended."

Alison Hunter,
Assistant Editor,
Political Programmes,
BBC Scotland

CREATIVE AND CULTURAL INDUSTRIES

Creative Media Practice

CREATIVITY AND CULTURE AND THE CONSOLIDATION OF THE DIGITAL AND KNOWLEDGE ECONOMIES HAVE BEEN IDENTIFIED BY GOVERNMENT AS AN ESSENTIAL TO SCOTLAND'S GLOBAL DEVELOPMENT.

The MA Creative Media Practice is an innovative programme focusing on the development of your knowledge, understanding and creative and technical skills in the fast-moving areas of screen and broadcast, digital content creation and the wider creative and cultural industries.

Aimed at graduates from a wide range of disciplines, and industry professionals seeking to enhance or diversify their skills, this demanding postgraduate programme provides a unique creative space where students can explore and consolidate their creative identities, working with others from diverse creative backgrounds including film, digital media, writing photography and performance.

This flexible programme combines core modules with option modules relevant to your career aspirations, and allows you to broaden and deepen existing knowledge and abilities through professional creative workshops and intensive courses.

Informed by research excellence and expert professional practice, the programme will bring out your creative potential, while providing the critical focus essential to respond flexibly to

new opportunities and sustain your career.

Regular contact with a wide range of industry experts and specialist industry mentors is an important aspect of the course. The project-focused nature of much of the assessment ensures that 'live' projects are encouraged, giving you the chance to develop your professional career alongside your studies.

Creative Media Practice graduates will have developed:

- advanced skills and knowledge
- a sound critical awareness of this rapidly developing area
- a focused understanding of their own practice
- an effective portfolio of creative project work and production credits
- a valuable network of creative and professional contacts

Campus

Ayr*

School

Creative and Cultural Industries

Entry

Entry to the MA is open to Honours graduates (minimum 2:2). Students possessing an Ordinary degree (with a mark average of 50%), can apply to enrol on the Postgraduate Diploma and, on successful completion, transfer to the MA programme. Applicants with relevant equivalent qualifications and/or professional experience will also be considered. (Please also see page 196 for more details)

Intake

September

Duration

MA (full-time/part-time)*

12–16 months/2–3 years

Diploma (full-time/part-time)

9 months/2 years

Contact

Tony Grace

+44 (0)1292 886481/426

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

*The programme is based at the well-equipped new Ayr Campus, some classes may be delivered off-campus, at the School of Creative and Cultural Industries' Creative Hub in Glasgow's CCA and Film City.

COURSE CONTENT

There are three stages to the programme:

Postgraduate Certificate (60 credits)
Core modules (20 credits each at SCQF 11 unless otherwise noted) include:

- Creative Skills 1 – introducing new creative skill areas in short creative projects
- Critical Media Contexts – an essential overview of contemporary critical debate

Students choose one option including:

- Motion Graphics (SCQF 10)
- Producing for Film & Television (SCQF 10)
- Producing Factual Formats (SCQF 10)
- Writing the One Act Play (SCQF 10)
- Music Film and Sound Aesthetics (SCQF 10)

Postgraduate Diploma (120 credits)

- Creative Skills 2 – consolidation of individual professional practice with a 50% work-related learning element
- Collaborative Project – innovative interdisciplinary project
- Research: Critical Development – preparation of creative research proposal

MA (180 credits)

Masters Creative Project (60 credits)

You will carry out a substantial practice-led research project, for example, production of a feature screenplay or a documentary or digital media project, with written contextualisation.

CAREER PROSPECTS

The range of creative and cultural industries careers students enter will be determined partly by their own interests and as they develop on the course, such as: independent producer, scriptwriter, development producer for television, documentary maker, writer and producer/developer for digital media. The programme will appeal to those involved in design for the moving image and can prepare people for a career as an artist filmmaker/motion graphics designer.

PROFESSIONAL RECOGNITION

The programme is accredited by Skillset.

FUNDING STUDIES

Some part-time funded places may be available for candidates meeting SAAS (Student Awards Agency for Scotland) eligibility criteria. For details of possible funding for 2012 entry contact University Direct on **+44 (0)141 848 7044** or e-mail uni-direct@uws.ac.uk



CREATIVE AND CULTURAL INDUSTRIES

Music: Innovation and Entrepreneurship

AIMED AT THOSE WHO ARE PASSIONATE ABOUT MUSIC AND WHO WANT TO SET UP THEIR OWN MUSIC-RELATED BUSINESS, THIS UNIQUE PROGRAMME IS THE FIRST OF ITS KIND IN THE UK.

Traditional modes of thought in relation to many aspects of the music sector are now obsolete and larger, institutional processes have been superseded by more technologically democratic ways of conducting business. The rise of the 'new artist model' which places emphasis upon commercial autonomy by artists and practitioners within the music sector has also created the need for the development of a new music business skillset which this programme addresses. The focus of the programme is the development of commercially robust, music-related products, services or processes. At all times students will be gaining the mindset and the skillset to engage in future entrepreneurial activity. During the course of the programme itself students will develop original business propositions and then have the opportunity to present these to relevant financial backers.

Although the focus of the programme is music, it is contextualised by the awareness and study of the phenomenal 'reach' and cachet of music within the creative industries and the extent to which music enhances all media platforms both aesthetically and commercially.

While the programme is ideally suited to artist entrepreneurs who wish to set up their own record labels, management or publishing companies, it seeks to go beyond this and develop original music-related business ideas that may span everything from apps to fashion to hotels and beyond. The crucial distinction is 'working with music' rather than 'working in the music industry'. Developing the capacity to 'think different' is at the very heart of the programme.

This programme is at the leading edge of postgraduate activity in music and enjoys extensive backing from major figures within the UK music sector. Involvement of high-level practitioners from the creative industries and entrepreneurship in the delivery of the course will ensure that it provides students with an unsurpassed 'real-world' focus. The programme offers exceptional networking opportunities across the creative industries.

Campus

The programme is delivered mainly at the Centre for Contemporary Arts (CCA) in the centre of Glasgow, and at Film City in Govan. Delivery of some programme content will also be offered at the University's Ayr and Paisley campuses as appropriate.

School

Creative and Cultural Industries

Entry

Entry requirements are either an undergraduate qualification or prior experience in music, the performing arts, art and graphic design, media, film, business or any of the creative industries although it is not confined to these areas.

(Please also see page 196 for more details)

Intake

September

Duration

MA (full-time/part-time)

12–16 months/2–3 years

Diploma (full-time/part-time)

9 months/18 months

Certificate

(full-time/part-time)

5 months/variable

Contact

Alan McCusker-Thompson
+44 (0)1292 886473
 or +44 (0)141 848 7044
 uni-direct@uws.ac.uk

COURSE CONTENT

The programme has three stages:

Postgraduate Certificate (60 credits)

Core modules (20 credits each at SCQF11 unless otherwise noted) include:

- Global Music Industries: Creative Economy
- Innovation & Creativity

Options (students choose one module):

- Identity, Opportunity & Exploitation (SCQF 10)
- Music, Film & Sound Aesthetics (SCQF 10)
- New Music Project (SCQF 10)
- Marketing Practice (SCQF 10)

Postgraduate Diploma (120 credits)

Core modules (20 credits each at SCQF 11 unless otherwise noted) include:

- International Entrepreneurship
- Social Media: Manipulation & Impact
- Research Development: Methods & Practice

MA (180 credits)

- Innovative Enterprise: Music Project (60 credits at SCQF 11)

The core project-based Innovative Enterprise module which comprises the final third of the MA takes the form of a 'live' business proposition within the current music business environment. For this project students will have the support of academic and industry mentors. Each student will have their own 'digital board' drawn from academia and the creative industries that will support them throughout their year of development that leads towards this project.

CAREER PROSPECTS

This programme has been heavily endorsed by practitioners at the very highest levels of the music industry who recognise that it addresses the need for a new skillset which is based on autonomy and an understanding of the realities of income generation in relation to music in the 21st century. As such the course aspires to producing employers rather than employees.

CREATIVE AND CULTURAL INDUSTRIES

Songwriting and Performance*

THE EXPRESSION OF CULTURE THROUGH MUSIC IS AT THE HEART OF SCOTTISH IDENTITY. THE SONGWRITER IS NOT ONLY A CONDUIT FOR THIS EXPRESSION BUT THE CREATOR OF THE MOST POWERFUL INTELLECTUAL PROPERTY WITHIN THE MUSIC INDUSTRY. THE MA SONGWRITING AND PERFORMANCE IS A NEW AND UNIQUE PROGRAMME FOCUSING ON THE DEVELOPMENT OF EXEMPLARY SONGWRITING/ARTS PRACTICE, UNDERSTANDING THE PERFORMATIVE AND TECHNICAL ATTRIBUTES NECESSARY TO COMMUNICATE THOSE SKILLS AND WORKING WITHIN THE CONTEXT OF NEW AND DEVELOPING DISTRIBUTION NETWORKS.

Aimed at graduates from a range of music/performance disciplines and industry professional writers/performers, the programme provides an opportunity for participants to develop their practice in a series of structured and intense writing projects with performative and recorded outputs. Combining core modules and optional modules (including option modules from MA Music: Innovation and Entrepreneurship and MA Creative Media Practice) the programme seeks to provide a broad range of demanding content, strongly reflective of the cultural and creative industries.

The programme will provide you with the opportunity to spend intense and sustained time developing new song material towards release in physical and digital forms and building

new performances of material. It will also provide a strongly critical focus with opportunities to conduct research in areas of songwriting history, practice and cultural location as well as reflecting critically on your own practice.

Delivered by established songwriters and music industry professionals the course has a strong focus on live projects with the expectation that you will be developing your professional career alongside your studies.

COURSE CONTENT

There are three stages to the programme:

Postgraduate Certificate (60 credits)

Core modules (20 credits each at SCQF 11 unless otherwise noted) include:

- Songwriting Project 1 – an intensive week-long project

Campus

Ayr[^]

School

Creative and Cultural Industries

Entry

Entry to the MA is open to Honours graduates (minimum 2:2). Students possessing an Ordinary degree (with a mark average of 50%), can apply to enrol on the Postgraduate Diploma and, on successful completion, transfer to the MA programme. Applicants with relevant equivalent qualifications and/or professional experience will also be considered. (Please also see page 196 for more details)

Intake

September

Duration

MA (full-time/part-time)

12–16 months/2–3 years

Diploma (full-time/part-time)

9 months/2 years

Contact

David Scott

+44 (0)1292 88600

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

[^]The programme is based at the well-equipped new Ayr Campus, some classes may be delivered off-campus, at the School of Creative and Cultural Industries' Creative Hub in Glasgow's CCA and Film City.

* At time of print, course offered subject to final University approval.

(including elements of co-writing and culminating in a live performance) with later recorded submission and reflective essay

- Analysing Songwriting – an exploration of ways to analyse and criticise songwriting within contemporary contexts and debates

Students choose one option including:

- New Music Project (SCQF 10) – adapting existing works (this may include literature, cinema or visual art forms) for development as a short music work
- Music, Film and Sound Aesthetics (SCQF 10) – music and foley for film
- Identity, Opportunity and Exploitation (SCQF 10) – constructing artistic identity within commercial contexts

Postgraduate Diploma (120 credits)

- Songwriting Project 2 – a project based within the Celtic Connections festival in Glasgow. You will work towards the creation of a body of work to be presented in a series of solo and collaborative performances at CCA
- Work-Related Project
- Research: Critical Development – preparation of creative research proposal

MA (180 credits)

- Masters Creative Project (60 credits) – you will carry out a substantial practice-led research project, for example, the recording of an album, the creation of a performance or series of performances with written contextualisation

CAREER PROSPECTS

The range of creative and cultural industries careers students enter will be determined partly by their own interests and as they develop on the course, such as: independent producer, scriptwriter, development producer for television, documentary maker, writer and producer/developer for digital media. The programme will appeal to those involved in design for the moving image and can prepare people for a career as an artist filmmaker/motion graphics designer.

PROFESSIONAL RECOGNITION

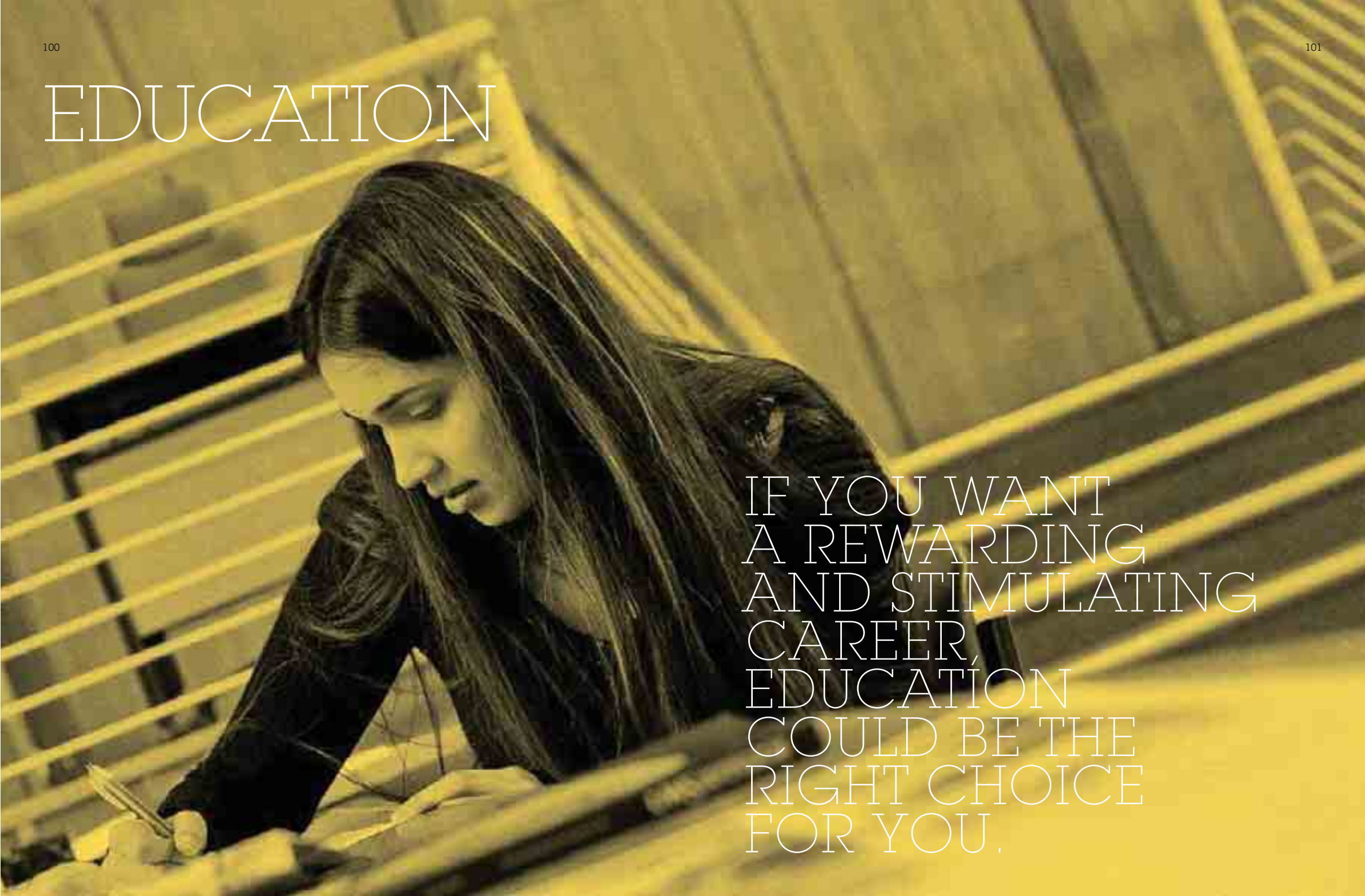
The programme is accredited by Skillset.

FUNDING STUDIES

Some part-time funded places may be available for candidates meeting SAAS (Student Awards Agency for Scotland) eligibility criteria. For details of possible funding for 2012 entry contact University Direct on +44 (0)141 848 7044 or e-mail uni-direct@uws.ac.uk



EDUCATION



IF YOU WANT
A REWARDING
AND STIMULATING
CAREER,
EDUCATION
COULD BE THE
RIGHT CHOICE
FOR YOU.

EDUCATION

WE PROVIDE EXTENSIVE EXPERTISE AND EXPERIENCE IN LEARNING AND TEACHING AND THIS REINFORCES OUR COMMITMENT TO OFFERING YOU THE BEST POSSIBLE LEARNING ENVIRONMENT. WE CURRENTLY OFFER TWO MAIN TYPES OF POSTGRADUATE PROVISION: FULL-TIME INITIAL TEACHER EDUCATION PROGRAMMES FOR THOSE WISHING TO ENTER THE TEACHING PROFESSION, AND PART-TIME CONTINUING PROFESSIONAL DEVELOPMENT (CPD) PROGRAMMES FOR THOSE WORKING WITHIN A LEARNING AND TEACHING CONTEXT.

PGDE PROGRAMMES

Our PGDE students gain extensive theoretical knowledge and practical skills through work-based learning, ensuring they are fully equipped to meet the demands of being a teacher.

The full-time Initial Teacher Education programmes are PGDE (Primary) and PGDE (Secondary), for those wishing to become primary or secondary teachers respectively. These programmes are well-established, combining periods of school experience with university-based study to provide students with the formal teaching qualification necessary for provisional registration with the General Teaching Council for Scotland.

CPD PROVISION

Our CPD programmes are structured round a broad and diverse range of named pathways. The overall programme framework offers awards of Postgraduate Certificate, Postgraduate Diploma and Master of Education. Our programmes are structured on a part-time basis and online. This offers flexibility for those who may be unable to attend University sessions.

RESEARCH

Our research includes work on teacher education, youth studies, policy studies, curriculum development and online learning. Academic staff present at national and international conferences. The number of students studying for MPhil and PhD degrees has increased significantly in recent years.

Section contents

Continuing Professional Development options	104
Education (Primary)	108
Education (Secondary)	110

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.

WORK IT OUT

Newly qualified graduates receive full support towards achieving the Standard for Full Registration with the General Teaching Council for Scotland. After completing a guaranteed one-year long induction, graduates are very successful in obtaining teaching posts in Scotland, other parts of the UK and internationally.

For more information contact Admissions on tel **+44 (0)1292 886206** or tel **+44 (0)141 848 7044** or email cpd@uws.ac.uk

POSTGRADUATE CERTIFICATE IN TEACHING AND LEARNING IN HIGHER EDUCATION

This is a flexible, modular programme, delivered through either a blended learning or an online learning route, which uses practical, task-oriented material and activities to produce more effective teaching and sound reflective practice for those teaching and supporting learning at HE level. Since the PG Cert TLHE is practice based, participants must have ongoing teaching opportunities at HE level for the duration of the programme. The programme will be of interest to HE staff and some public authority workers – especially those working in the healthcare sector.

The programme covers elements of curriculum design (including intended learning outcomes); methods and media; plus principles and practice of assessment and evaluation. It also looks at the context of learning and teaching: particularly how to balance activities such as teaching, research, administration and other aspects of professional development.

For more information contact Dr Victoria L O'Donnell on tel **+44 (0)141 848 3621** or email uni-direct@uws.ac.uk

“The programme equipped me with not only the skills, but the confidence required to teach in a secondary school. The University's longstanding partnership links with schools mean students have a variety of options to choose from when it comes to undertaking in-school placements, which are a key element of the course.”

Gillian McCallum

Postgraduate

Secondary graduate

EDUCATION

Continuing Professional Development options

THE UNIVERSITY PROVIDES A PORTFOLIO OF CONTINUING PROFESSIONAL DEVELOPMENT PROGRAMMES FOR THOSE INVOLVED IN EDUCATION, TO MEET BOTH CURRENT AND EMERGING NEEDS ASSOCIATED WITH THE PROFESSION AND TO REFLECT THE INCREASING IMPORTANCE ATTACHED NATIONALLY TO CPD AND ITS POSITIVE IMPACT ON PROFESSIONAL PRACTICE.

The University's CPD offers awards at Postgraduate Certificate, Postgraduate Diploma and Masters of Education level.

There are currently four named pathways:

- Artist Teacher
- Chartered Teacher
- Inclusive Education
- Leadership for Learning

To achieve a full Masters level award you will need to accumulate modular credit totalling 180 credits: this is broken down as indicated below:

- Certificate (3 modules, first 60 credits):
- Diploma (3 modules, second 60 credits):
- Masters Dissertation (1 module, final 60 credits)

ARTIST TEACHER

The MEd Artist Teacher programme is unique in its modes of delivery and in its partnership approach to learning. It is delivered through blended learning or exclusively online and is designed for teachers and others working within the 3–18 sector in Scotland and elsewhere

in the world. It is available part-time and run in partnership with Glasgow Museums and the National Society for Education in Art and Design (NSEAD).

The MEd Artist Teacher degree will provide participants with the chance for a sustained and serious re-evaluation of one's existing art practice within a critical and supportive environment. It will also enable teachers (and others) at both primary and secondary school level (and other levels) to develop the necessary leadership skills to progress the subject of art within the context of curriculum and social change, including Curriculum for Excellence.

Course Content

- Visual Arts Practice I
- Critical Contexts I
- Critical Pedagogy I
- Visual Arts Practice II
- Critical Contexts II
- Critical Pedagogy II
- Artist Teacher Dissertation/Exhibition

Professional Recognition

The MEd Artist Teacher is fully

Campus

Ayr, Distance Learning

School

Education

Entry

Applicants specifically interested in the Chartered Teacher programme must meet the national eligibility criteria, leading to the issue of a Certificate of Eligibility from the General Teaching Council Scotland (which entitles them to embark on a programme leading to the award of Chartered Teacher).

(Please see page 196 for more details)

Intake

September

Duration

Masters (part-time)

variable duration

Postgraduate Diploma

(part-time) variable duration

Postgraduate Certificate

(part-time) variable duration

Contact

Admissions

+44 (0)1292 886206

or + 44 (0)141 848 7044

cpd@uws.ac.uk

accredited by the National Society for Education in Art and Design (NSEAD), the principal subject association for art and design education in the UK.

CHARTERED TEACHER PROGRAMME

The Chartered Teacher Programme is fully accredited with the General Teaching Council (GTC) for Scotland and is delivered in partnership with the Educational Institute of Scotland, and two local authorities. Successful completion of the full programme of study leading to the award of the (Chartered Teacher) degree, results in the individual becoming eligible to make application to the GTCS for the professional award of Chartered Teacher Status. An overview of the programme structure and modular content is available from the University website www.uws.ac.uk/charteredteacher

INCLUSIVE EDUCATION

The Inclusive Education programme is aimed at teachers and other professionals working with children and young people between the ages of 3 to 18 in inclusive educational settings – defined as environments in which learners from diverse backgrounds and with diverse abilities learn together. The programme is delivered entirely online.

The certificate phase comprises the following three core modules:

- ASL/Inclusive Education
- Inclusive Practice
- ASD and Dyslexia

Upon successful completion of the certificate phase, interested participants can continue on the diploma, which consists of the following three core modules:

- Social, Emotional and Behavioural Difficulties
- Gifted and Talented
- Inclusive Leadership

Upon successful completion of the diploma phase interested applicants can continue with a masters dissertation on a relevant topic. Successful completion of the dissertation will lead to the award of MEd in Inclusive Education.

Career Pathways

The Inclusive Education programme equips participants with knowledge, understanding and skills that make them well-suited to pursue positions of responsibility in the areas of inclusion and support for learning.

LEADERSHIP FOR LEARNING

The Leadership for Learning programme is designed for educational professionals from a variety of backgrounds who are experienced practitioners. The programme provides participants with the opportunity to enhance their professional practice in, and understanding of, current developments in the area of Leadership for Learning.

→

Applications

Contact Education

Admissions on tel

+44 (0)1292 886206

for further information or details of how to apply.

The modules within this programme encourage education-based projects/innovations, which should benefit the wider educational community and enable participants to become more effective practitioners in their own specific professional context. Participants will be encouraged to reflect upon and enhance their practice and understanding of current trends in the area of Leadership for Learning and to consider the possible implications there may be for future practice. Upon successful completion of the course, participants will be in a position to lead initiatives within their professional context and to introduce innovation into their own practice, providing a positive and supportive role model for their peers.

Programme Delivery

There is no requirement to attend 'face-to-face' delivery sessions on this innovative programme as it is offered by distance learning, using the University's Virtual Learning Environment. Materials are supplied online and the system allows access to both electronic journals and e-books. Participants are expected to contribute to the discussion boards on themes relevant to the modules.

Course Content

The certificate phase comprises the following three core modules:

- Curriculum Leadership: Investigating
- Curriculum Leadership: Developing
- Curriculum Leadership: Disseminating

Upon successful completion of the certificate phase, interested participants can continue on to the diploma, which consists of the following three core modules:

- Leadership: Vision and Values
- Leadership: Qualities and Skills
- Research Methods

Upon successful completion of the diploma phase interested applicants can continue with a masters dissertation on a relevant topic. Successful completion of the dissertation will lead to the award of MEd in Leadership for Learning.



EDUCATION

Primary

THE EARLY PHASES OF CHILDREN'S DEVELOPMENT HAVE A HUGE IMPACT ON THE REST OF THEIR LIVES. TEACHERS IN PRE-5 AND PRIMARY EDUCATION HAVE AN IMPORTANT ROLE TO PLAY IN ENSURING ALL CHILDREN HAVE THE BEST START POSSIBLE, ENABLING THEM TO LEAD SUCCESSFUL, USEFUL, HAPPY, PRODUCTIVE AND BALANCED LIVES. TEACHING WITHIN THIS SECTOR IS BOTH DEMANDING AND REWARDING. BECOMING A TEACHER IS AN EXCITING, LIFE-CHANGING EXPERIENCE AND WE INVITE YOU TO TAKE THE FIRST STEPS WITH US.

The one year PGDE (Primary) programme can be studied at our new Ayr Campus or at Hamilton. Both campuses have state-of-the-art ICT, music, drama labs and workshops and dedicated teaching rooms.

COURSE CONTENT

The course consists of three compulsory modules:

The first of these looks at the Scottish Education system and the theoretical basis of learning. It then leads into early years education including phased placements in a Pre-5 establishment and an infant classroom. Workshops focus on core skills in classroom management, planning, teaching, assessment and evaluation strategies, and behaviour management. Assessment includes a research task with a final written submission and the outcome of school placements.

The second module introduces the broad range of subjects that underpin the primary curriculum (Curriculum for Excellence). With a focus on Mathematics and Literacy, students develop teaching skills specific to subject, stage and ability whilst improving their own personal knowledge and skills. This module is assessed by a class test.

The third module continues to develop teaching skills and is in part delivered jointly with PGDE (Secondary) students, when we explore the wider aspects of the profession. Study is set around two school placements in middle and upper primary classes and achievement of the standards set by the General Teaching Council for Scotland (GTCS).

We greatly value our partnership with schools and work with them to provide support, guidance and

Campus

Ayr, Hamilton*

*In addition to delivery at Ayr Campus, the programme may be delivered at Hamilton Campus in session 2012-2013, but this will be dependent upon application levels. Applicants interested in studying at Hamilton Campus are advised to contact Education Admissions tel +44 (0)1292 886206.

School

Education

Entry

Applicants should hold a degree validated by a university in the UK or a degree of an equivalent standard from an institution outside the UK along with passes in Higher English at Grade C or above or equivalent and Standard Grade Mathematics at credit level or equivalent. Potential applicants with Open University credits, degrees from overseas universities or those with non-standard qualifications should contact the Admissions Officer to clarify the acceptability of their qualifications. Candidates must also successfully undergo the current government Disclosure process. Places are limited and selection is based on the quality of application, including appropriateness and range of qualifications and experience and on performance at interview. (Please also see page 196 for more details).

Intake

August

assessment of students to the highest standards possible. The programme as a whole has a strong practical bias with the use of interactive learning techniques including the use of the University VLE and Glow, the education network for delivery and assessment. Workshops, outdoor experiences and learning strategies including peer assessment, problem based learning, action research and microteaching make this an active, vibrant learning experience. On both campuses, we have small classes where students find friends, support, and a chance to express themselves and develop their skills within a creative environment.

Care has been taken to ensure that the programme pays due attention to all issues and developments currently influencing primary education in Scotland. The programme takes account of the views of the General Teaching Council for Scotland and is based on guidelines produced by the Scottish Government.

PROFESSIONAL RECOGNITION

Successful students receive the formal teaching qualification necessary for provisional registration with the General Teaching Council for Scotland. Students proceed to a probation period, usually a year in a school on a paid placement provided by the Scottish Government. This is unique to Scotland and provides a guaranteed workplace experience.

FURTHER STUDY

Graduates may be invited to continue their studies and gain modules at Masters Level from a broad spectrum of online titles leading towards a final Masters qualification.

CAREER PROSPECTS

Most graduates remain in mainstream teaching either in the UK or abroad, others find employment opportunities within: specialist educational areas; working with children with additional learning support needs; adult training; educational aspects of charities, museums, science centres etc; the commercial sector; employee training, customer relations, presentation of products and services, research and management, writing and publishing etc; the public sector; health education, school management, curriculum development, and social services.

Duration

Professional Graduate Diploma in Education (full-time) 9 months

Contact

Admissions
+44 (0)1292 886206
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

Applications

To apply for this course visit www.uws.ac.uk/apply where you will be guided through the online application process using the PGDE (Primary) application form. For further information, contact University Direct on +44 (0)141 848 7044 or e-mail uni-direct@uws.ac.uk

Please note that applications should be submitted by 15th December in the year prior to entry, although late applications may be considered, subject to vacancies. Successful applicants who gain a place on this programme will need to register on the Protecting Vulnerable Groups (PVG Scheme), managed and delivered by Disclosure Scotland. For more information on the PVG Scheme please refer to www.disclosurescotland.co.uk

EDUCATION

Secondary

TEACHING IN A SECONDARY SCHOOL IS A COMPLEX AND CHALLENGING TASK INVOLVING A RANGE OF PROFESSIONAL TEACHING SKILLS IN ADDITION TO CURRICULUM KNOWLEDGE. SECONDARY EDUCATION FACES MANY CHALLENGES AND TEACHERS MUST BE WELL INFORMED IF THEY ARE TO HAVE AN ACTIVE ROLE IN THE DEBATE AND DEVELOPMENT OF THE TEACHING PROFESSION. CURRENT THINKING ON TEACHER EDUCATION ADVANCES THE VIEW OF THE TEACHER AS A CARING, REFLECTIVE AND SELF-MONITORING PROFESSIONAL AND THIS PROGRAMME SEEKS TO SUSTAIN AND DEVELOP THIS MODEL.

The process of teacher education is carried out in partnership with schools and the programme includes substantial periods of placement in schools. Teachers must be able to plan, implement and evaluate learning programmes within their chosen discipline whilst recognising that their specialism contributes to a wider curriculum. Teachers must have a fundamental commitment to the welfare of pupils, meeting learning needs and encouraging personal and educational development.

University-based study focuses on curriculum content and methods of teaching and learning, alongside the theoretical and practical aspects of professional studies in education, psychology and educational technology.

The programme has been reviewed to take account of the views of the Scottish Government and the General Teaching Council for Scotland.

These views include the importance of continually developing close collaboration between the University and schools. These developments will build upon the established strengths of the programme, and the close partnership between the University and schools on which the programme is already based. The programme will also progress student attainment against a set of benchmark statements established as "The Standard for Initial Teacher Education in Scotland", by producing teachers who can develop their subject work from an informed, broader perspective on the nature of

Campus

Ayr

School

Education

Entry

Applicants should hold a degree validated by a university in the UK or a degree of an equivalent standard from outside the United Kingdom. The degree should normally contain 80 credit points relevant to the teaching qualification they are studying for – 40 of the credit points must have been studied at Level 8 or above (around 2 years full-time study at university). Applicants should also hold Higher English at Grade C or above (or equivalent). Full details of entry requirements can be found on the Teaching in Scotland website www.infoscotland.com/teaching (Please also see page 196 for more details).

Intake

August

Duration

Professional Graduate Diploma in Education (full-time) 9 months

Contact

Admissions
+44 (0)1292 886206
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

learning, the wider curriculum, and the educational system as a whole.

COURSE CONTENT

The thirty-six week programme is structured on a full-time modular basis with eighteen weeks spent on school experience placements. Students currently undertake placements in at least two schools: a two week 'introductory' placement followed by a subsequent five week placement in the same school; then a six week placement in a second school; with a final five week placement also in that second school.

On each placement, students will have opportunities to gain teaching experience and become familiar with whole-school policies and procedures through a 'Generic Issues' programme. University-based study is divided into a number of blocks of several weeks preceding or following school experience placements. All students take the cross curricular course, School and Professional Studies, which considers broader aspects of educational theory; whole school policies and procedures; general features of secondary education and of teaching as a profession. Students also take the appropriate subject studies courses for their subject(s) in which they consider a range of approaches to teaching, learning and assessment in their discipline(s). There are also opportunities to undertake learning experiences relevant to school

cross-curricular and extracurricular activities, and opportunities to progress ICT-related skills.

Teaching qualifications are offered in the following areas (although the University reserves the right to withdraw certain subjects, depending on the quotas set by the Funding Council) and students may select one or two of the following subjects, depending on qualifications: Art and Design; Biology with Science; Chemistry with Science; English; Mathematics and Physical Education.

Places on this programme are limited and selection is currently based on performance at an interview together with information from application forms and referee reports.

PROFESSIONAL RECOGNITION

Successful students receive the formal teaching qualification necessary for provisional registration with the General Teaching Council for Scotland, a requirement for entry into the guaranteed one-year Induction Scheme.

Applications

To apply for this course visit www.uws.ac.uk/ apply where you will be guided through the online application process using the PGDE (Secondary) application form. For further information, contact University Direct on +44 (0)141 848 7044 or e-mail uni-direct@uws.ac.uk Please note that applications should be submitted by 15th December in the year prior to entry, although late applications may be considered, subject to vacancies. Successful applicants who gain a place on this programme will need to register on the Protecting Vulnerable Groups (PVG Scheme), managed and delivered by Disclosure Scotland. For more information on the PVG Scheme please refer to www.disclosurescotland.co.uk

"After successfully completing the PGDE in Secondary Maths at UWS, I went on to gain valuable experience in my probationary year. This included work outside the classroom including Duke of Edinburgh expeditions and coaching. The qualification and the experience gained all helped in my success to secure a full-time position as a Maths teacher."

David Clark,
Graduate

ENGINEERING

ENGINEERING
HAS CHANGED
OUR WORLD.



ENGINEERING

COURSE DEVELOPMENT IS UNDERPINNED BY APPLIED RESEARCH, RECOGNISED BOTH NATIONALLY AND INTERNATIONALLY, ENSURING OUR STUDENTS BENEFIT FROM CURRENT ACADEMIC EXPERTISE AND GRADUATE WITH SECTOR-RELEVANT KNOWLEDGE. OUR POSTGRADUATE PROGRAMMES ARE SUPPORTED BY EXCELLENT ON-CAMPUS FACILITIES AND BY STRONG LINKS WITH COMPANIES, PROFESSIONAL BODIES AND OTHER INSTITUTIONS.

The University is recognised for its work across many engineering areas, including Computer-Aided Engineering and Design, Nano-technology, Concrete Technology, Heritage Masonry, and Civil, Chemical and Mechanical Engineering. In Physics, there are successful research groups in Experimental Nuclear Physics, Thin Film Electronic & Photonic Materials and Microscale Sensors.

We have a number of specialist units that act as industrial research and development facilities, as well as continuing professional development and training centres. These include the Advanced Concrete and Masonry Centre; Scottish Polymer Centre; and the Engineering Services Unit. We also recently opened a Centre for Engineering Excellence at our Hamilton Campus which has been a welcome addition to our provision in this area. Our reputation for applied interdisciplinary research is set to be enhanced by significant recent investment in new laboratories for engineering and physics. There has also been significant investment in facilities for thin film technologies, microscale sensors and nuclear physics research. Collaborative external links play an important role in our ongoing success and allow significant investment in the latest facilities, including Thin Film Technology, Product Design Centre, and Design Laboratories.

Section contents

Computer-Aided Engineering	116
Sensor Design	118

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.



ENGINEERING

Computer-Aided Engineering (with options in Analysis; Business; Management; Manufacturing; Visualisation and Analysis; Web Technology*)

THIS PROGRAMME HAS BEEN DESIGNED PRIMARILY FOR ENGINEERING AND TECHNOLOGY GRADUATES TO PROVIDE THEM WITH A MORE IN-DEPTH KNOWLEDGE OF COMPUTER-AIDED ENGINEERING AND ITS APPLICATIONS.

The flexible structure of the course facilitates specialist study in specific areas as well as the broadening of students' knowledge base through the study of complementary topics. The course has been structured around four core modules. Students then select from a list of possible option streams, each comprising two modules, to complete the award. The qualification awarded will reflect the chosen option stream in the title eg Postgraduate Diploma in Computer-Aided Engineering with Manufacturing.

COURSE CONTENT

Students will study a range of topics, which cover the product development cycle from conceptual design through to the supply of products to the market. The core topics include computer-aided design, finite element analysis, computational fluid dynamics, computer-aided manufacture, rapid prototyping and project management. The available option streams allow students to either specialise or extend their knowledge in a support discipline. Each option stream

comprises designated specialist modules, the areas of study being analysis, business, management, manufacturing, visualisation and analysis, or web technology.

MSc students are also required to complete an MSc dissertation. The aim of the dissertation is to enable students to gain a deeper understanding of the application, or integration of Computer-Aided Engineering techniques in an industrial context, their scope of application and limitations. Each student will be allocated a supervisor from the staff of the University who will advise and supervise the student while undertaking their dissertation.

CAREER PROSPECTS

The main objective of the course is to equip students with marketable technological skills. By focusing on such attributes as knowledge, technical and interpersonal skills in relation to Computer-Aided Engineering, the programme can enable graduates to contribute effectively at an enhanced level

Campus

Paisley

School

Engineering

Entry

Diploma candidates must have a first degree in Mechanical, Manufacturing, Design or Computer-Aided Engineering from a UK university or equivalent institution. Other professional qualifications and equivalent experience gained in industry will also be considered. Diploma students may proceed to the MSc programme by satisfying the progression requirements. MSc applicants should have an Honours degree or equivalent in Mechanical, Manufacturing, Design or Computer-Aided Engineering. (Please also see page 196 for more details)

Intake

September

Duration

MSc (full-time/part-time)

1 year*/3 years

Diploma

(full-time/part-time)

9 months/30 months

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

within an engineering, manufacturing or technology environment. Graduates with skills in this subject area are very much in demand, as companies strive to reduce product development and manufacturing lead-times and improve in-service reliability.

Contact

David Smyth
+44 (0)141 848 3559
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

*Option streams are offered subject to demand.

ENGINEERING

Sensor Design

OUR INNOVATIVE MSc IN SENSOR DESIGN HAS BEEN DEVELOPED IN CONJUNCTION WITH HONEYWELL, A DIVERSIFIED TECHNOLOGY AND MANUFACTURING LEADER. IT IS INTENDED FOR RECENTLY-QUALIFIED GRADUATES OR EXISTING ENGINEERS/TECHNOLOGISTS WISHING TO EITHER COMMENCE THEIR CAREER OR FURTHER THEIR CAREER BY UNDERTAKING A MASTERS-LEVEL QUALIFICATION DESIGNED FOR SENSOR DESIGN ENGINEERS/TECHNOLOGISTS.

The programme provides a solid foundation in the practical techniques required in experimental laboratory work, the analysis of data and computer simulation techniques, including use of industry-standard packages such as Pro-Engineer and Pro-Mechanica.

As this programme has been designed with significant input from industry, there is a strong emphasis on developing practical skills and expertise within the taught element. At the end of the programme, students will have specialist knowledge in the practical and theoretical principles of sensors, coupled with the necessary laboratory and computer-based design and simulation skills to enable them to commence or continue their careers as Sensor Design Engineers/Technologists. In addition, students will have the opportunity to develop professional skills in report writing, oral presentation and project management.

COURSE CONTENT

The programme allows students the opportunity to complement sensor-specific core modules with a range of options from the field of computer-aided engineering, physics, and design.

Taught topics covered in the programme emphasise the development of professional skills and attitudes and include: physical principles of sensors; sensor applications; measurement systems; testing; multiphysics modelling; and mechanical simulation.

Core modules include:

- Sensor Principles and Applications
- Sensor Simulation and Modelling
- Sensor Systems and Testing

Option modules include:

- IT Project Management
- Computer-Aided Design
- Applied Analysis and Simulation
- Computer-Aided Manufacture
- Advanced Analysis and Simulation
- Reliability and EDI
- E-Business Essentials

Campus

Paisley

School

Engineering

Entry

PgCert, PgDip or MSc candidates must possess a first degree in Mechanical Engineering, Physics or Applied Physics, Electronic Engineering, or other Physical Science. Candidates with other professional qualifications considered equivalent to a degree, or a lesser, appropriate qualification and experience gained in industry, will also be considered. PgDip students may proceed to the MSc programme by satisfying progression requirements. (Please also see page 196 for more details).

Intake

September and February[^]
([^] February intake subject to demand)

Duration

MSc (full-time/part-time)

1 year*/3 years

Diploma (full-time/part-time)

9 months/30 months

Certificate

(full-time/part-time)

4 months/18 months

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

- Ultrasonics and Nanotechnology
- Surface Analysis and Detectors

MSc

A research dissertation will be undertaken as part of the MSc. This will be carried out in a relevant industrial setting or with an academic research group within the University.

PLACEMENT OPPORTUNITIES

For full-time applicants to this programme, there may be opportunities for relevant, paid work experience with Honeywell or with other industry partners, in the UK or overseas.

CAREER PROSPECTS

The programme has been designed to enable students to make a useful contribution in industry in sensor design and applications. The objective is to equip students with the appropriate marketable and technological skills for them to work effectively at an advanced level within an engineering, manufacturing or technology environment.

Considerable emphasis will be placed on practical skills and knowledge as applied in an industrial environment. The practical, research-based MSc project element also offers an excellent opportunity for students to make an impact on a particular employer. It is anticipated that employment opportunities from this advanced programme will include work in roles such as sensor design engineer,

mechanical engineer, electronic engineer, materials engineer, quality assurance engineer/manager, NDT project engineer, or transducer/sensor designer.

Contact

David Hutson
+44 (0)141 848 7044
uni-direct@uws.ac.uk

NB Professionals with experience in sensor design who wish to update their skills in this area will also find the course of interest. Modules can also be taken on a stand-alone basis for professional development purposes. At time of print, an online version of this programme is being developed for Distance Learning. Contact University Direct for more information on **+44 (0)141 848 7044**.

HEALTH, NURSING AND MIDWIFERY

MEETING THE
DEMANDS OF
TODAY'S HEALTH
PROFESSIONS.



HEALTH, NURSING AND MIDWIFERY

UWS IS THE LARGEST PROVIDER OF HEALTH, NURSING AND MIDWIFERY EDUCATION IN SCOTLAND. THE UNIVERSITY HAS A HISTORY AND TRADITION FOR CATERING FOR THE NEEDS OF STUDENTS IN DIVERSE GEOGRAPHICAL SITUATIONS (URBAN, REMOTE AND RURAL) AND AT ALL EDUCATIONAL LEVELS.

In addition, we have a 15 year history of delivering high-quality distance learning provision for healthcare professionals and currently deliver distance and e-learning by a variety of means to over 300 students nationally and internationally. We have international links with a variety of higher education and clinical partners including those in Sweden, Malawi and are working with colleagues at the College of Nursing in Jesenice in Slovenia on the Nursing Masters programme.

The School of Health, Nursing and Midwifery, the largest in Scotland, has around 4,100 full and part-time students studying across the University campuses in Ayr, Dumfries, Hamilton and Paisley and also online. We provide high-quality undergraduate, postgraduate and post-experience programmes for nurses, midwives and related health professionals, designed to meet the challenges of a changing health sector. Our close partnerships with local healthcare providers is demonstrated by the collaborative and innovative approach to programme design, which aims to meet the need of both students and healthcare providers and to meet wider healthcare policy.

The School has Memoranda of Understanding with the following health boards and local authorities:

- East Ayrshire Council
- NHS Ayrshire and Arran
- NHS Dumfries & Galloway
- NHS Greater Glasgow & Clyde
- NHS Lanarkshire

These Memoranda of Understanding will see the development of common approaches for the delivery of existing and new postgraduate education (including professionally-accredited degrees and CPD courses) and will develop further the clinical research collaboration between UWS and its health board partners.

Section contents	
Acute and Critical Care	126
Adult Nursing with Registration	128
Advanced Clinical Practice	154
Advanced Non-Medical Prescribing	156
Cancer and Palliative Care	130
Cancer Care	157
Child Protection	157
Cognitive Behaviour Therapy	124
Health Studies	132
Health Studies (BSc)	158
Maternal and Child Health	134
Maternal and Child Health in Advanced Neonatal Practice	136
Maternal and Child Health in Advanced Paediatric Practice	136
Mental Health Nursing with Registration	128
Nursing	138
Occupational Health Nursing	140
Orthopaedic Care	142
Other study options (part-time)	154
Palliative Care	159
Psychosocial Interventions	144
Public Health Nursing and District Nursing options	146
Sexual and Reproductive Health	148
Unscheduled Care	150
Vulnerability	152

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.

FUNDED STUDY FOR NHS STAFF

We have Service Level Agreements (SLAs) with NHS Ayrshire and Arran; NHS Lanarkshire; NHS Greater Glasgow and Clyde; and Argyll Division of NHS Highland and a contract with NHS Dumfries and Galloway. These arrangements mean that staff from these health boards can access top-up undergraduate and postgraduate courses that are professionally relevant to their sphere of work. These courses and CPD modules have been developed in partnership with our health board colleagues to meet the skill development needs of health professionals across the west of Scotland and the demands of their local service priorities. Local processes are in operation and students should contact their Practice Development Units or appropriate health board for up-to-date information.

CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

Many of the modules offered at undergraduate and postgraduate level can be undertaken on a "stand-alone" basis, or as part of a programme of study. Modules are all credit bearing, allowing you to build towards a named degree pathway. In addition, we offer a wide range of short courses, study days and in-service programmes across our four campuses, designed for Continuing Professional Development (CPD) such as basic life support, moving and handling, ear irrigation, phlebotomy, cannulation and supervision skills.

For a copy of our Health, Nursing and Midwifery undergraduate guide, detailing the full range of undergraduate modules available across our four campuses, contact the Lifelong Learning Academy, **+44 (0)141 848 3838**.

MSc PROGRAMMES

The School has a variety of innovative MSc programmes for prospective students to choose from and there are further plans to develop this provision. Programmes include:

- MSc Health Studies
- MSc Maternal and Child Health
- MSc Nursing Studies
- MSc Psychosocial Interventions
- MSc Vulnerability

Further information on these programmes are listed in the section that follows.

NEW PROGRAMMES FOR 2012

The School will be expanding its existing range of programmes covering Maternal and Child Health, adding two new areas of specialism. Students will now have the opportunity to focus on advanced neonatal practice or advanced paediatric practice, (see pages 134–137 for details). →

The new Postgraduate Certificate in Cognitive Behaviour Therapy (CBT) also launches, offering experienced nursing, allied health and social care professionals the opportunity to improve their understanding of the key principles and concepts that are fundamental within the clinical paradigm of CBT. This will facilitate and enable an appropriate level of clinical competence in its application in relation to the treatment of patients/clients with mild to moderate depression and anxiety-related needs.

This part-time, day-release modular programme is comprised of three core modules; Core Concepts and Skills, Specific Concepts and Skills, and Integrated Concepts and Skills. This progressive linear framework is designed to encourage the development of fundamental knowledge and key competency achievement which enables the facilitation of appropriate CBT interventions to an identified patient/client group. For further information on this programme contact University Direct on tel **+44 (0)141 848 7044** or email uni-direct@uws.ac.uk

RESEARCH OPPORTUNITIES

We offer an exciting and rapidly expanding portfolio of research activity across all fields of practice and are actively developing our research teaching links. The School is currently part of a multi-disciplinary team funded by the UK Research Councils, Environment & Human Health Initiative and in collaboration with four Schools at UWS, UNICEF Scotland, Glasgow Royal Infirmary and universities in Europe and Malawi to study micronutrient transfer from soil into crops and pregnant women who planted the crops.

We are keen to encourage our clinical colleagues in the NHS and other caring contexts to engage in research degree pathways. To this end, we will assist and supervise suitably qualified and experienced colleagues to engage in a programme of part-time research activity with the following exit points:

- Optional: Postgraduate Certificate in Research Methodology – 1 year
- Master of Research (MRes) – 2 years
- Master of Philosophy (MPhil) – 3–4 years
- Doctor of Philosophy (PhD) – 4–6 years

Individuals can transfer to the next level at each stage through the University regulatory process. Part-time University studentships are available that may offer funding to successful candidates that can assist with University fees. For more information, please contact Professor John Atkinson at uni-direct@uws.ac.uk

DISTANCE LEARNING

The majority of our programmes/modules are available via distance learning. For further information contact tel **+44 (0)141 848 3952/+44 (0)141 849 4330**; fax +44 (0)141 848 3947 or e-mail uni-direct@uws.ac.uk



HEALTH, NURSING AND MIDWIFERY

Acute and Critical Care

THE GRADUATE CERTIFICATE IN ACUTE AND CRITICAL CARE IS AN INNOVATIVE PROGRAMME OF PART-TIME STUDY DESIGNED FOR PRACTITIONERS REGISTERED WITH THE NURSING AND MIDWIFERY COUNCIL [NMC] OR THE HEALTH PROFESSIONS COUNCIL [HPC] RESPECTIVELY.

Students on this programme should be employed within the areas of acute or critical care. The programme is vocationally-relevant and complements the Comprehensive Critical Care Strategy. It is designed to ensure professionals are equipped with the skills of personnel development planning and reflective practice.

COURSE CONTENT

The Graduate Certificate consists of 3 core modules, each credit rated 20 points at SCQF Level 9. Each module incorporates a variety of teaching methods including clinical simulation:

Clinical Assessment

Develops the knowledge and skills required to assess and examine patients across the age span. Topics covered include: primary assessment, history taking, assessment and examination of chest, abdomen, ENT, musculoskeletal and neurological systems, assessment of the child, legal and professional issues, consent and confidentiality, communication and consultation skills and child protection.

Clinical Assessment is a pre-requisite module for progression to Foundations of Acute and Critical Care and Advanced Interventions in Acute and Critical Care.

Foundations of Acute and Critical Care

Provides a sound knowledge base for practitioners who are caring for patients requiring level 1 and 2 care and is a prerequisite for Advanced Interventions in Acute and Critical Care.

This module aims to develop a practitioner who can provide optimal care for the acutely or critically unwell patient by enhancing knowledge of the underlying pathophysiological processes of acute illness in relation to symptoms, diagnosis and investigations thus enabling early recognition of clinical deterioration and intervention. The syllabus will focus on the pathophysiology, diagnosis, recognition and management of acute cardiac, respiratory, renal, neurological conditions, sepsis, trauma and impending organ failure and incorporates clinical simulation.

Campus

Ayr, Paisley

School

Health, Nursing and Midwifery

Entry

Candidates must be appropriately registered practitioners, for example, registered with the Nursing and Midwifery Council (NMC) or the Health Professions Council (HPC) and employed in an acute care area.

All prospective students must have line management support and a clinical supervisor from their area of practice to supervise and assess clinical competency where required. Students are required to submit a statement of support signed by their line manager and the prospective clinical supervisor to the programme leader prior to the commencement on the programme. A clinical supervisor is only required for the Clinical Assessment module.

Intake

May

Duration

Graduate Certificate (part-time)

12–18 months

Contact

Roland Preston
Programme Leader
+44 (0)1292 886378
or +44 (0) 141 848 7044
uni-direct@uws.ac.uk

Advanced Interventions for Acute and Critical Care

Building upon the Foundations of Acute and Critical Care, the module is designed to provide the registered practitioner with enhanced knowledge to deliver high-quality, evidence-based care to critically ill patients requiring organ support. It equips practitioners to be proactive in the instigation, critical evaluation and manipulation of therapeutic interventions. Topics covered by this module include: Government and healthcare policy, assessment and intervention of the acute or critically ill patient, evidence-based care, infection control, advanced haemodynamic monitoring interpretation, advanced life support, advanced respiratory, cardiac and renal support, critical care pharmacology, ethical considerations and clinical simulation.

CAREER PROSPECTS

Undertaking this programme prepares the student to critically explore the issues surrounding acute and critical care from a national perspective. The programme prepares students to develop their role in assessing and caring for patients requiring varying degrees of monitoring and organ support.

HEALTH, NURSING AND MIDWIFERY

Adult Nursing with Registration/ Mental Health Nursing with Registration

THIS EXCITING AND INNOVATIVE TWO YEAR PROGRAMME IS THE FIRST OF ITS KIND IN SCOTLAND AND NOT ONLY OFFERS THE AWARD OF MSc BUT PREPARES STUDENTS FOR PROFESSIONAL REGISTRATION WITH THE NURSING AND MIDWIFERY COUNCIL (NMC) AS EITHER AN ADULT OR A MENTAL HEALTH NURSE.

It is aimed at those with an appropriate degree in biological, health, social sciences or a related subject who wish to change career path. This programme reinforces Scotland's health priorities and will develop your abilities to make a valuable, credible and significant impact on the health of the population. It builds on existing knowledge and skills acquired from both previous academic study and experiential learning.

There is a strong evidence-based focus which develops existing research skills and knowledge. While highlighting the differences and uniqueness of each branch of nursing, the programme also focuses on the shared learning values the commonalities of the profession of nursing as a whole.

COURSE CONTENT

The programme consists of three academic parts: Postgraduate Certificate (60 credits); the Postgraduate Diploma (120 credits) and the MSc (180 credits). All modules are core and assessed at

SCQF Level 11.

Common Foundation programme modules:

- The Profession of Nursing – introduces the student to the concepts of the nursing profession and the drivers which underpin professional practice. Assessment is by examination and care plan critique.
- Nursing: Theory and Practice – the module will introduce the student to the essential skills required within the nursing profession and the Life Science theory which underpins this. Assessment is by critical analysis of the development of nursing skills.
- Practice Learning Experience 1 – the aim of this module is to encourage the student to develop, apply and value the skills required within the nursing profession. Assessment is based on a reflective portfolio.

UCAS

Adult Nursing with Registration
BR40 H MSc/ANR
Mental Health Nursing with Registration
BR60 H MSc/MHNR

Please note applications for these two programmes should be submitted through the Universities and Colleges Admissions Service (UCAS). The UWS institution code is U40.

Campus

All theoretical modules are taught at Hamilton Campus. Practice learning experience will be undertaken within the Health Board area in which the student resides. These are:

- NHS Lanarkshire
- NHS Glasgow and Clyde
- NHS Dumfries and Galloway
- NHS Ayrshire and Arran
- NHS Highlands
- The State Hospital (Carstairs)

School

Health, Nursing and Midwifery

Entry

Candidates must:

- Possess an appropriate degree in a biological, health, social science or related subject
- Provide a personal/employer reference
- Provide an academic reference and formal university transcript
- Demonstrate competency in literacy and numeracy
- Undertake successful personal interview; health screening and Protection of Vulnerable Groups screening

Branch programme modules:

- Evidence Based Health Care 1 – This module will enable the student to begin to develop a systematic and comprehensive knowledge of health needs and nursing interventions specific to branch, with reference to current national health target areas. Assessment is by group presentation and written appraisal.
- Evidence Based Health Care 2 – This module builds on previous learning and will further develop a critical understanding of nursing practice. Assessment is by research proposal.
- Practice Learning Experience 2 – This practice-based module enables students to further develop, reflect on and explore their knowledge and skills in practice within different patient care areas in nursing. Assessment is by critical appraisal of learning from practice.
- Management and Delivery of Care – this module is worth 60 SCQF credits at Level 11. It has both theory and practice elements to allow students to achieve all the standards of proficiency required for entry to the professional register. Assessment is by a dissertation project which is a quality improvement proposal for change.

CAREER PROSPECTS

The potential of this programme can enable nurses who are fit for practice, purpose and award and who will contribute to the leadership of a competent dynamic workforce to secure employment within a range of healthcare areas.

Intake

September

Duration

MSc 2 years full-time. Students may be eligible for a SAAS bursary for the duration of the course.

Contact

Adult Nursing

Beverley Young
Programme Leader
+44 (0)1698 283100
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

Mental Health Nursing

Anne Kay
Programme Leader
+44 (0)1698 283100
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

HEALTH, NURSING AND MIDWIFERY

Cancer and Palliative Care

THE RECENT PUBLICATION OF A GOVERNMENT REPORT EMPHASISES THE FACT THAT CANCER REMAINS ONE OF THE MAIN CLINICAL PRIORITIES FOR THE NHS IN SCOTLAND, WITH CLEAR RECOGNITION THAT STAKEHOLDERS FROM ALL SECTORS SHOULD WORK TOGETHER TO IMPROVE THE QUALITY OF CARE OFFERED TO PATIENTS THROUGHOUT THEIR ILLNESS.

With many more people expected to survive and live with cancer, the need for continuing care and support is essential and the knowledge and skills of nurses and other health and social care professionals will hugely influence patients' experiences. Palliative care has long been linked with cancer, however it is being increasingly seen as a model of care which should be utilised for other chronic, life limiting illnesses and is also regarded nationally as an area of priority. As with cancer, nurses and allied health and social care professionals play a vital role in delivering holistic care to patients and their families, and education and continuing professional development are key to the successful delivery of care.

Multi-professional and inter-agency working are common practice within both cancer and palliative care and students who successfully complete this programme of study will be equipped with the knowledge to influence and lead palliative and cancer care services in a variety of care settings. All the modules are underpinned

by current cancer and palliative care practice and linked to relevant competency/capability frameworks. They also take cognisance of the NHS Knowledge and Skills Framework.

COURSE CONTENT

The programme is offered on a part-time modular basis, usually over one academic year and is delivered and co-ordinated by members of an established cancer & palliative care team within the School of Health, Nursing & Midwifery. Lecturers have close links with practice in both cancer and palliative care settings and ensure students receive a high level of support and advice throughout their studies.

The programme consists of three modules, two core and one option:

Trimester 1 Modern Day Cancer and Palliative Care (Core)

Topics include policy frameworks and national strategies relating to palliative and cancer care, service inequalities, challenges facing care delivery, multi-professional working, decision-

Campus

Paisley

School

Health, Nursing and Midwifery

Entry

Applicants should have a relevant first degree; however consideration will be given to those with extensive relevant clinical experience. Applicants should also be working in an area where palliative or cancer care is a principal focus of practice. (Please also see page 196 for more details)

Intake

September, although intake is possible throughout the year.

Duration

Postgraduate Certificate comprising 3 modules. Each module runs over one trimester and the programme can be completed on a part-time basis in one academic year.

Contact

Susan Jackson
+44 141 849 4214
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

making, communicating in difficult circumstances, reflective practice, clinical supervision and staff support.

Trimester 2

Option Module (choose one):

Symptoms in Advanced Disease

Includes an in-depth review of evidence based guidelines and protocols examining specific symptom control issues for patients in the advanced stages of illness. This module is recommended for those who are directly involved in patient care within the palliative care setting.

Independent Study

Tutorial and supervision is provided by mutual arrangement. This offers students the opportunity to independently focus their study on an area of professional practice relating to cancer or palliative care. This module is recommended for students working in acute cancer settings or for those not directly involved with symptom management.

Trimester 3

Psychosocial Challenges (Core)

Topics include advanced communication techniques, psychological distress and its management, survivorship, rehabilitation, loss, grief and bereavement.

HEALTH, NURSING AND MIDWIFERY

Health Studies

THIS PROGRAMME AIMS TO PROVIDE THE OPPORTUNITY FOR HEALTHCARE PROFESSIONALS TO BUILD UPON THEIR KNOWLEDGE, SKILLS AND EXPERTISE RELEVANT TO HEALTH STUDIES. THE PROGRAMME PHILOSOPHY ACKNOWLEDGES THAT HEALTHCARE IS CHANGING TO MEET THE NEEDS OF THE CLIENT, WHICH PLACES AN EMPHASIS ON THE INTEGRATION OF HEALTH AND SOCIAL SERVICES.

It is anticipated that students undertaking this degree will already have considerable professional expertise and knowledge. Students will build upon this to ensure they continue to grow academically and professionally, developing the strategic thinking requirements of a senior health-related professional. Students will normally have a first degree or demonstrate relevant senior management experience in a health related area.

The programme of study consists of a menu of core, option and independent study modules. These modules are set within a framework of inter-related themes namely: contemporary issues; role enhancement; and evidence-based practice. The modules reflect contemporary issues of relevance for all healthcare professionals and are mapped against the core and specific dimensions of the NHS Knowledge and Skills Framework, which are equally applicable to many professional and organisational groups. Students have the opportunity to select areas of

particular interest that are meaningful and relevant within their organisation/ work setting.

The Postgraduate Certificate requires students to complete 60 credits – two core modules and one option module. Postgraduate Diploma students must complete 120 credits – four core and two option modules; MSc students must complete 180 credits.

COURSE CONTENT

The programme consists of a menu of core, option and online modules. Core modules include:

Postgraduate Certificate

- Tackling Health Inequalities
- Health Economics

Postgraduate Diploma

- Social Marketing
- Research Methods in Health Care

Option modules include:

- Protecting the Vulnerable Child
- Leadership for Effectiveness
- Independent Study
- Quality Improvement in Health Care: Methodologies and Techniques

Campus

The programme is available via online/blended learning delivery utilising contemporary online tools to engage, motivate and encourage students' during studies. Student support is actively encouraged via online or by face to face meeting on all campuses.

School

Health, Nursing and Midwifery

Entry

The programme is aimed at health professional graduates or those with substantial professional experience. Applications are welcome from a wide range of backgrounds such as nursing, midwifery, public health, the fire and ambulance service, social work and Allied Health Professionals. (Please also see page 196 for more details).

Intake

September and February

Duration

MSc (part-time)

3–5 years

Postgraduate Diploma

(part-time)

normally 2 years but can be taken over a longer period

Postgraduate Certificate

(part-time) in most instances this is completed in a year

Contact

Angela Bonar

+44 (0)1698 283100

ext 8656

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

- Men's Health Issues
- An Introduction to Epidemiology
- Infection Control Management
- The Business of Health Care
- Effective Research Supervision

MSc Health Studies Final Year

- Research and Enquiry Dissertation – normally 1 year to complete.

CAREER PROSPECTS

Gaining a postgraduate qualification in Health Studies can lead to a variety of career opportunities and destinations. The programme will offer you enhanced employability prospects within a variety of health-related work areas, such as health promotion and public health; health, nursing and midwifery; and management in the health and education sector. Previous students have secured promotion in areas such as nurse consultant and specialist nurse posts. Some students have changed career pathways and taken up posts in education and management. Others have had the opportunity to develop lead roles within their organisation such as social work and practice development. Students will also have the opportunity for further study, should they so choose.

NB Academic literacy skills are actively supported during studies and students report this as increasing academic competence and confidence in scholarly writing.

HEALTH, NURSING AND MIDWIFERY

Maternal and Child Health

THE FOCUS OF THE PROGRAMME IS ON WORKING IN PARTNERSHIP WITH WOMEN AND THEIR FAMILIES AND PROMOTING EXCELLENCE IN CARE.

This programme was developed for midwives, nurses and other healthcare practitioners with an interest in maternal and child health. Students will be encouraged to use their practice expertise to enhance skills in clinical judgment and decision-making in contemporary practice, dealing with prospective trends in practice and new client groups with specific needs from a national and international perspective.

The flexible online mode of delivery enables students to study at a time and place to suit their own commitments, using electronic learning materials and virtual student support mechanisms such as webcam. Students are supported by a personal tutor and peer group support is also provided via the virtual learning environment.

COURSE CONTENT

Students may elect to exit with a Postgraduate Certificate in Maternal and Child Health after completing three modules (60 credits); a Postgraduate Diploma after completing six modules (120 credits); or the full Masters award (completing six modules and dissertation, 180 credits). Specific coaching in research design and processes is provided for the dissertation stage of the programme.

Each student uses a Personal Development Profile (PDP) on the programme, to create an individual pathway relevant to continuing professional development plans from the modules available, for example:

- Advanced Neonatal Practice (ANP) (see page 136 for further details)
- Advanced Paediatric Practice (APP) (see page 136 for further details)
- Preparation for Supervisors of Midwives Programme
- Management and Leadership
- Clinical Practitioner
- Practice Education (Post Graduate Certificate subject to validation)

Modules include:

- Contemporary Issues in Maternal and Child Health (core)
- Effective Clinical Practitioner
- Clinical Teaching
- Leadership for Clinical Effectiveness
- Global Perspectives of Child and Maternal Health
- Independent Studies
- Research Methods in Health and Social Care (core)
- Public Health in Action
- Psychosocial and Psychological Perspectives of Childbirth
- Supporting Normality in Childbirth
- Consultancy

Campus

Mainly online delivery; Nursing and Midwifery Council approved modules (ie Supervisor of Midwives Programme and Non-Medical Prescribing Programme) have some class sessions at Paisley or Hamilton campuses.

School

Health, Nursing and Midwifery

Entry

Candidates must either be registered nurses or midwives on either parts 1, 2 or 3 of the NMC professional register, or equivalent regulating body in other countries or have a relevant professional qualification in a health, social care or an allied health profession. Prior Learning and Prior Experiential Learning (APL/APEL) also considered for entry. (Please also see page 196 for more details)

Intake

September and February

Duration

MSc (full-time/part-time)

1 year/3 years

Postgraduate Diploma

(full-time/part-time)

9 months/30 months

Postgraduate Certificate

(full-time/part-time)

3 months/12 months

Contact

Dr Maria Pollard

Programme Leader

+44 (0)141 849 4271

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

- Non-Medical Prescribing[^]
- Supervision of Midwives (Action and Theory)[^]
- Assisted Birth Practitioner (Theory and Practice)
- Advanced Neonatal and Paediatric Decision Making
- Physiology and Pathophysiology in Neonatal and Paediatrics
- Advanced Work-based Learning
- Dissertation (3 modules)

CAREER PROSPECTS

Undertaking this programme prepares students to critically explore the issues surrounding maternal and child health from a national and international perspective. The programme prepares students to take on management and clinical leadership roles in practice, as well as career development towards research and education.

[^]Denotes UK Nursing and Midwifery Council-approved programmes with specific entry requirements which must be met

NB For details of the MSc Maternal and Child Health in Advanced Neonatal Practice and the MSc Maternal and Child Health in Advanced Paediatric Practice please see page 136.

HEALTH, NURSING AND MIDWIFERY

Maternal and Child Health in Advanced Neonatal Practice / Maternal and Child Health in Advanced Paediatric Practice

AS PART OF A SUITE OF PROGRAMMES COVERING MATERNAL AND CHILD HEALTH, STUDY WILL FOCUS ON ADVANCED NEONATAL PRACTICE OR ADVANCED PAEDIATRIC PRACTICE.

Advanced practice is about a level of practice, rather than a specific role or title, but is applicable across both practice and professional contexts. This programme therefore aims to develop highly knowledgeable and skilled postgraduate neonatal/paediatric practitioners who wish to further progress their knowledge, skills and competence relevant to advanced neonatal/paediatric practice. It is anticipated that students undertaking this degree will already have considerable professional expertise and knowledge.

A key feature is the multi professional nature of shared learning to advanced practice education. This programme is therefore offered to nurses, midwives or allied health professionals working within either a neonatal or paediatric clinical environment. Shared learning is advocated as a way of breaking down professional boundaries and aids in developing a more cohesive approach to practice. Therefore some of the

modules are shared between neonatal and paediatric students, with subject specific learning taking place together but then students will be expected to contextualise this learning and apply it to their own specific practice settings.

The programme will build on students existing critical enquiry and independent learning skills to foster a challenging learning environment through the use of methodologies such as problem-based learning, which is then contextualised to the students' own clinical environment. Graduates of this programme are expected to have a widespread positive influence by developing the quality of client care through enhanced evidence-based practice and will have the capacity to become leaders within their sphere of practice.

The modules will run from either Hamilton or Paisley Campus. Both campuses are equipped with clinical simulation laboratories to allow students to gain appropriate advanced level skills as required. Academic teaching staff are

Campus

Hamilton, Paisley

School

Health, Nursing and Midwifery

Entry

All applicants: must either be registered nurses on parts 1, 2 or 3 of the NMC professional register; equivalent regulating body in other countries or registered allied health professionals (registered with the Health Professions Council – such as Chartered Society of Physiotherapy, Royal College of Speech and Language Therapy); should normally possess a degree or equivalent; have a minimum of 2 years experience in a neonatal/paediatric specialty. Admission may be considered with relevant previous academic credit and/or prior learning.

Intake

September

Duration

MSc (full-time/part-time)

24 months/36 months

Postgraduate Diploma

(full-time/part-time)

12 months/24 months

Postgraduate Certificate

(part-time) 12 months

supported by input from members of the Clinical Faculty who are recognised as subject specific experts in their field of practice. Modules include:

- Physiology and Pathophysiology in Neonates and Paediatrics (core neonates/paediatrics)
- Advanced Neonatal and Paediatric Decision Making (core neonates/paediatrics)
- Advanced Work-based Learning (core neonates/paediatrics)
- Research Methods in Health and Social Care (core neonates/paediatrics)
- Advanced Non-Medical Prescribing (core neonates/option paediatrics)
- Advanced Work-based Learning 2 (core neonates/option paediatrics)
- Child Protection in Context (option paediatrics)
- Ambulatory Care for Infants and Children (option paediatrics)
- Research and Enquiry Dissertation (core neonates/paediatrics)

CAREER PROSPECTS

Candidates will be enabled to apply or work within their own professional domains at an Advanced Practice level.

Contact

Advanced Neonatal Practice

Karen McDonald

Programme Leader

+ 44 (0)141 849 4272

or +44 (0) 141 848 7044

uni-direct@uws.ac.uk

Advanced Paediatric Practice

Mandy Allen

Programme Leader

+44 (0)1698 283 100 ext 8478

or + 44 (0)141 848 7044

uni-direct@uws.ac.uk

NB For details of the MSc Maternal and Child Health programme please see page 134.

HEALTH, NURSING AND MIDWIFERY

Nursing

THE ROLE OF THE NURSE WITHIN HEALTHCARE IN THE UK AND ACROSS THE WORLD IS CHANGING IN RESPONSE TO RAPIDLY DEVELOPING SOCIAL, POLITICAL AND ECONOMIC DRIVERS. THE NURSING INTERFACE WITH PATIENT AND CLIENT ACCESS TO HEALTHCARE IS ALSO CHANGING AND THE RESPONSIBILITIES OF THE NURSE ARE CONSEQUENTLY EXPANDING FROM THE TRADITIONAL MODELS.

Leadership, research, education, accountability and autonomy in the context of heightened responsibility and policy change will all be explored. Students will have the opportunity to apply these and other relevant issues to their own field of nursing practice and to undertake optional study choices from a menu of modules relevant to a broad cross-section of nursing practice. Under guidance from the programme team, students will tailor their learning to their own field of nursing practice or interest.

Students can undertake modules by either mode or by a mixture of both, offering further flexibility in delivery.

COURSE CONTENT

Postgraduate Certificate (60 credits)

Students will undertake one core module and two option modules from the following menu:

Core module:

- Issues and Trends in Nursing

Option modules (students select 2):

- Advanced Non-Medical Prescribing
- Application of Law and Ethics in Practice
- Advanced Patient Assessment
- Clinical Teaching
- Leadership for Effectiveness
- Modern Day Cancer & Palliative Care
- Quality Improvement in Health Care: Methodologies and Techniques

Campus

Paisley

School

Health, Nursing and Midwifery

Entry

Applicants must be registered nurses and have a first degree. Applicants with substantial professional experience may also be considered. Students who have already gained an award of PgCert or PgDip in a related discipline may be eligible for credit transfer into this programme. (Please also see page 196 for more details).

Intake

September and February

Duration

MSc (full-time/part-time)

20 months/3–4 years

Postgraduate Diploma (full-time/part-time)

9 months/2–3 years

Postgraduate Certificate (full-time/part-time)

4 months/1–2 years

Contact

Diane Fotheringham
+44 (0)141 849 4204
 or +44 (0)141 848 7044
 uni-direct@uws.ac.uk

Please note, an online option may be available for this programme.

Postgraduate Diploma (120 credits)

For the award of PgDip Nursing, students should, in addition, successfully complete one further option module from the previous menu as well as the following core modules:

- Independent Study
- Research Methods in Health and Social Care (to be undertaken immediately prior to dissertation)

MSc (180 credits)

For progression to Masters Dissertation, students should normally achieve an average of B2 on all modules taken within the programme. For successful completion of the MSc Nursing, students should successfully complete a Masters dissertation. The aim of the dissertation is to enable students to further examine nursing within their field of practice and consider the contribution of nursing practice to healthcare. Each student will be allocated a supervisor who will advise on the selection of the dissertation topic and will provide academic support.

CAREER PROSPECTS

This programme aims to develop the experienced nursing practitioner to take on the challenges of decision-making, autonomous practice and leadership which are necessary for contemporary advanced nursing practice. Evidence of study at postgraduate level is an ever-increasing demand for advanced nursing careers and students undertaking this programme have demonstrated that they are ideally placed to take on leadership roles in clinical or managerial situations. The programme has been designed to integrate with relevant stages within the Knowledge and Skills Framework.

“The MSc in Nursing offers a wide variety of choice of modules and is accessible via traditional classroom delivery and online. The tutors are approachable and make themselves available for support and advice when convenient. This course has developed my thinking about the complexities within nursing and visions for its future.”

Josaleen Connolly
MSc Nursing student

HEALTH, NURSING AND MIDWIFERY

Occupational Health Nursing

THIS GRADUATE DIPLOMA IS DESIGNED FOR FIRST LEVEL NURSES WISHING TO GAIN A SPECIALIST COMMUNITY PUBLIC HEALTH NURSING QUALIFICATION IN OCCUPATIONAL HEALTH NURSING. ON COMPLETION OF THIS PROGRAMME YOU WILL BE ABLE TO REGISTER ON PART 3 WITH THE NURSING AND MIDWIFERY COUNCIL (NMC).

The course enables nurses to obtain both an academic qualification at Level 9 (ordinary degree level) and a professional qualification in Occupational Health Nursing registered as such on Part 3 of the NMC register. This is an online supported distance learning course offering a programme of study reflecting current developments in occupational health nursing. The programme is designed to:

- enable the student to engage in lifelong learning, study and enquiry, and to appreciate the value of education to society
- further develop professional and intellectual abilities by providing an advanced educational experience, which includes evidence-based learning
- critically examine the concepts, theories and principles underpinning Specialist Community Public Health Nursing (OHN)

- develop the skills of critical analysis, synthesis and valuation at a level commensurate with degree level study
- facilitate the development of leadership skills, independent judgement and problem-solving skills necessary for assessing, implementing and evaluating healthcare
- develop the ability to respond to the changing health needs of the population

COURSE CONTENT

The course consists of three common core modules, each worth 20 CAT points at SCQF Level 9 (formally Level 3), followed by 3 discipline-specific modules each worth 20 CAT points at SCQF Level 9 (formally Level 3). Part-time students undertaking the course over two years usually elect to take the course as follows:

Campus

Online

School

Health, Nursing and Midwifery

Entry

All applicants must:

- be first level registered nurses (RGN, RN, Adult SRN) on appropriate part 1 of the professional register maintained by the NMC
- normally have a minimum of two years post-registration experience;
- be currently employed in Occupational Health Nursing practice;
- be able to have access to a local Practice Teacher or student Practice Teacher

Applicants who do not meet the standard entry requirements will be considered on an individual basis. Credit for prior learning may be awarded through the Approval of Prior Learning scheme. (Please also see page 196 for more details).

Intake

September

Duration

Graduate Diploma
part-time over two years but must be completed within 4 years.

Contact

Jean Johnstone
+44 (0)141 849 4330,
or Leanne Steele
+44 (0)141 849 4302
or Marisa Stevenson,
+44 (0)141 849 4283,
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

YEAR 1

One discipline specific module in trimester one, one common core module in trimester two and one common core module in the summer trimester.

YEAR 2

One common core module in trimester one, one discipline specific practice module in trimester 2 and one discipline specific practice module in summer trimester culminating in a ten and a half weeks consolidating of practice period.

HEALTH, NURSING AND MIDWIFERY

Orthopaedic Care

THIS IS AN INNOVATIVE PROGRAMME OF STUDY DESIGNED FOR THOSE REGISTERED WITH THE NURSING AND MIDWIFERY COUNCIL OR THE HEALTH PROFESSIONS COUNCIL (OR AN EQUIVALENT REGULATORY BODY) AND WHO ARE WORKING WITHIN AN AREA PROVIDING ORTHOPAEDIC CARE.

The Graduate Certificate in Orthopaedic Care is delivered at Level 9 by a specialist clinical practitioner and is aimed at nurses and other healthcare professionals who work in any clinical environment where orthopaedic care is delivered and wish to further their knowledge, skills and expertise in this field whilst building on a graduate understanding of knowledge attainment.

The programme will be delivered using a blend of teaching and learning strategies on a part-time basis. All students will have identified members of academic staff from within each of the modules as key contacts for academic support and guidance to enhance engagement with personal development activities.

COURSE CONTENT

3 modules (20 credits each) must be undertaken to exit with the named award.

The prerequisite module is 'Foundations of Orthopaedic Care'. This module lays the groundwork of musculoskeletal anatomy and physiology and provides a basis from which other

subsequent modules will build. This essential module also introduces the student to some disease categories and other relevant topics, in order that they develop a fundamental understanding at this level.

The option modules available are 'Trauma Orthopaedic Care', 'Elective Orthopaedic Care' and 'Independent Study for Professional Practice'. The student should successfully complete 2 of these option modules to gain the award. This provides a flexible approach to completion of the award as many healthcare professionals find themselves practising in clinical areas that deliver different modes of care to orthopaedic patients. The changing face of orthopaedic care delivery encompasses areas such as emergency care, inpatient wards, orthopaedic theatre, day surgery, rehabilitation, pre-operative assessment, outpatient clinics and community and the provision of choice of module would enable the student to complete study relevant to their practice.

'Trauma Orthopaedic Care' builds upon the knowledge gained in 'Foundations of Orthopaedic Care' and

Campus

Paisley/online
Please note the 'Independent Study for Professional Practice' is available via online learning only.

School

Health, Nursing and Midwifery

Entry

Candidates must be registered with the Nursing and Midwifery Council or the Health Professions Council, or with an equivalent regulatory body and be working within an area providing Orthopaedic care.

Intake

September

Duration

Graduate Certificate (part-time) 1 year

Contact

Beverley Wellington
Programme Leader
+44 (0)141 848 3113
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

comprehensively covers all relevant investigations, diagnosis, treatment and care of trauma injuries and conditions, including an inter-professional service approach.

'Elective Orthopaedic Care' also builds upon the knowledge gained in 'Foundations of Orthopaedic Care' and comprehensively covers all relevant investigations, diagnosis, treatment and care of orthopaedic conditions requiring planned intervention and subsequent rehabilitation.

'Independent Study for Professional Practice' offers the student the opportunity to build on knowledge and skills gained from working in either 'Trauma Orthopaedic Care' or 'Elective Orthopaedic Care' and to critically evaluate an area of relevant clinical orthopaedic practice.

CAREER PROSPECTS

Students who undertake a programme of study within the Orthopaedic Care portfolio will be equipped with the knowledge and skills to work effectively in this area of care delivery. The skills that students will gain can be mapped into the NHS Knowledge and Skills Framework and as such enables individuals to engage with professional development activities in parallel with their academic development.

HEALTH, NURSING AND MIDWIFERY

Psychosocial Interventions

THIS PART-TIME PROGRAMME IS AIMED AT HEALTH PRACTITIONERS WORKING WITH PEOPLE WITH A LONG-TERM MENTAL HEALTH OR PHYSICAL CONDITION.

Psychosocial interventions such as cognitive behaviour therapy, family interventions, early interventions and motivational interventions have come to prominence through their effectiveness with people who experience serious mental and physical health problems. They are considered core interventions in the treatment of serious mental health problems and long-term conditions such as diabetes, cardiac disease and cancer. It is a multi-disciplinary and inter-professional programme.

This innovative and flexible programme is the only one of its kind in the UK. The programme aims to prepare you to develop specialised clinical skills in the effective engagement, accurate assessment and formulation of the needs of people who experience long-term conditions including their significant social network. You will develop the skills to critically understand the principle concepts, theories and efficacy of psychosocial interventions within your own organisation. During the programme, you will use a range of advanced clinical skills that will allow critical reflection and problem-solving to develop creative solutions when dealing with complex clinical issues.

Graduates will be able to provide support and leadership to other staff in terms of their development and to take a key role within their organisation in terms of innovation, change management, clinical governance, and R&D.

COURSE CONTENT

There are three stages to the programme:

- Postgraduate Certificate (60 credits)
- Postgraduate Diploma (120 credits)
- MSc (180 credits)

Delivered through a blended format, it is recognised that students are busy health practitioners and so tutorial support and clinical supervision can be provided flexibly through audio-visual software at times suitable for students.

Core modules:

- Core Values – students study the underlying principles and values of using psychosocial interventions with people who have long term health conditions
- Cognitive Behaviour Therapy (CBT) – students will study the skills and framework for the delivery of specific CBT interventions

Campus

Ayr

School

Health, Nursing and Midwifery

Entry

The course is aimed at graduates who are qualified health practitioners, with a minimum of two years post-training experience of working in a clinical area and who have access to, or will be working with people, and families of people, with long-term conditions. Applications are also welcomed from individuals who lack a degree qualification but who may possess alternative vocational or professional qualifications plus substantial professional experience in the field. (Please also see page 196 for more details)

Intake

September
(Entry is flexible, students can also access individual modules and undertake as part of other MSc pathways or as stand-alone modules.)

Duration

MSc (part-time) 3 years
Postgraduate Diploma (part-time) 2 years
Postgraduate Certificate (part-time) 1 year

Contact

Mick Fleming
+44 (0)1292 886455
or Alison Toner
+44 (0)1292 886468
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

- Research Methods in Health – provides the knowledge and skills necessary for students to undertake a Masters level research study and engenders a critical understanding of how both positivistic and naturalistic paradigms influence epistemology, methodology, and specific research designs.

Option modules:

- Family Intervention Skills – focuses on the impact of the health condition on the functioning of the family. Stress management and other strategies that encourage and motivate family members to be able to manage the effects of the health condition will be explored.
- Early Intervention – includes a critical review of the strands of psychological research regarding early recognition and clinical skills that provides the evidence and practice of early intervention work.
- Motivational Enhancement Skills – the module promotes a critical understanding of the philosophical, guiding principles and skills such as working with resistance, recognising ambivalence and increasing self-efficacy of motivational enhancement therapies.
- Clinical Supervision – provides information and understanding

about a range of conceptual clinical supervision models, formats and technologies and the means to evaluate delivery of effective clinical supervision.

- Forensic Mental Health Skills – enables the student to gain knowledge and understanding of working with mentally disordered; offenders by critically analysing therapeutic approaches, decision making and risk awareness.
- Group Work/Facilitation Skills – introduces the students to both the theory underpinning group work and the clinical skills of group management and facilitation.

The MSc dissertation provides the student with the opportunity to undertake a substantial research study in an area of interest related to psychosocial interventions culminating in submission of a research dissertation.

CAREER PROSPECTS

This programme will provide graduates with the opportunity to develop the leadership skills and knowledge base to assume a key role within their health organisation in terms of clinical expertise and consultancy, clinical supervision, innovation, change management, clinical governance, R&D and critical thinking within psychosocial intervention initiatives.

HEALTH, NURSING AND MIDWIFERY

Public Health Nursing and District Nursing options

THE GRADUATE DIPLOMA SPECIALIST COMMUNITY PUBLIC HEALTH NURSING AND THE GRADUATE DIPLOMA SPECIALIST PRACTITIONER DISTRICT NURSING ARE DESIGNED TO ENHANCE THE EDUCATION AND TRAINING OF FIRST LEVEL NURSES WISHING TO GAIN A COMMUNITY SPECIALIST PRACTITIONER QUALIFICATION.

The courses will enable First Level Nurses to obtain both an academic qualification and a professional qualification in Community Nursing in the Home – District Nursing; or Public Health Nursing – Health Visiting/School Nursing.

COURSE CONTENT

The courses comprise six modules: three common core modules and three discipline-specific modules: Common Core modules (each worth 20 credits at SCQF Level 9):

- Community Needs Assessment
- Perspectives of Public Health
- Developing Primary Care Leaders

Discipline-specific modules (each worth 20 credits at SCQF Level 9):

- Principles of Public Health Nursing or Principles of District Nursing
- Practice of Public Health Nursing or Practice of District Nursing
- Consolidation of Public Health Nursing or Consolidation of District Nursing

The common core modules are delivered by blended learning which combines university teaching with practice-

based learning. The discipline specific modules are taught modules which also incorporate practice-based learning. The final module at the end of the programme is the consolidation module which entails a 10 week full-time period in the defined area of practice (public health nursing or district nursing).

GRADUATE DIPLOMA SPECIALIST COMMUNITY PUBLIC HEALTH NURSING (OHN)

In addition to the above options, the Graduate Diploma Specialist Community Public Health Nursing (Occupational Health Nursing) will be offered – see page 140 for more information.

Campus

Paisley

School

Health, Nursing and Midwifery

Entry

Applicants must be First Level registered nurses on a part of the Nursing & Midwifery Council's professional register: Public Health Nursing – Part 1 or 2; Community Nursing in the Home – District Nursing – Part 1 (RN1 & RNA). In addition, candidates must have a minimum of two years post-registration experience. In addition, applicants must have previously undertaken a course/module including communication skills and a course/module including an introduction to research methods. Applicants who do not meet the standard entry requirements will be considered on an individual basis. Please note: the courses will be 50% theory and 50% practice based. (please also see page 196 for more details)

Intake

September

Duration

Graduate Diploma

full-time: one year (52 weeks).

NB part-time options will commence again in 2013.

Contact

Department Secretary
(general enquiries); or
Angie Docherty
(Public Health Nursing) or
Vicky Wilson (District Nursing)
+44 (0)141 849 4201
or +44 (0)141 848 7044
uni-direct@uws.ac.uk



HEALTH, NURSING AND MIDWIFERY

Sexual and Reproductive Health

THE FOCUS OF THE PROGRAMME IS ON WORKING IN PARTNERSHIP WITH CLIENTS TO PROMOTE EXCELLENCE IN SEXUAL AND REPRODUCTIVE HEALTHCARE.

Sexual health has become a national priority in Scotland. Many traditional family planning and genito-urinary services have integrated in order to provide a holistic, one-stop-shop approach to care. In response to these changes this new Graduate Certificate (SCQF L9) offers registered nurses and midwives the opportunity to study sexual and reproductive health theory and apply new knowledge and skills to clinical practice. Reproductive Health and Genito-urinary Medicine are taught modules which are delivered simultaneously. Students are required to attend University for fourteen days (one full week Monday to Friday, followed by nine Wednesdays). Clinical practice is integrated with the theoretical component of the programme and may be started after the first six days of theory. Health boards allocate clinical placements to students and clinic times vary depending on the health board. Under the supervision of an experienced sexual health assessor, students must complete 50 hours of clinical practice.

COURSE CONTENT

The course comprises of three modules taken together in one trimester. Clinical placements are allocated by health boards and are limited. Students may be placed on a waiting list until a suitable clinical placement becomes available.

Reproductive Health

This student is given the opportunity to explore contemporary issues in contraception and reproductive health. Themes such as promoting young people's sexual health, abortion, contraception, pre-conceptual care, infertility, menopause, breast health, cervical cytology, history taking, the role of patient group directions and non-medical prescribing, vulnerability and sexual health promotion will be included in the syllabus. By the end of the module students will have developed an evidenced-based approach to care, advanced and specialist communication skills and a range of general cognitive skills. The module is taught and requires seven days university attendance.

Campus

Paisley

School

Health, Nursing and Midwifery

Entry

Candidates must be registered nurses or midwives on either parts 1 or 2 of the NMC professional register with two years' post registration experience.

Intake

September and February

Duration

Graduate Certificate
6 months

Contact

Jackie McFadyen
Programme Leader
+44 (0)141 848 3782
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

Genito-urinary Medicine

This module offers the student an opportunity to explore contemporary issues in genito-urinary medicine (GUM). Sexually transmitted infections (STI) and public health perspectives will be explored in depth. Additional themes such as STI prevention (chlamydia, gonorrhoea, infestations, syphilis, blood borne viruses, trichomoniasis, human papilloma virus, molluscum, genital herpes, HIV and AIDS), health promotion theories, attitudes, values and GUM service provision are an integral part of the module. By the end of the module students will have developed a theoretical framework, advanced and specialist communication skills and a range of general cognitive skills. The module is taught and requires seven days university attendance.

Sexual and Reproductive Health Practice

Student can apply theory learned from Reproductive Health and Genito-urinary Medicine modules to clinical practice within sexual and reproductive health clinics in health boards throughout the west of Scotland. Students will complete 50 hours clinical practice. Clinical placements will be allocated to the student by the health board. The student will have the opportunity to practise and gain confidence in specialist areas of sexual and reproductive health such as sexual history taking, contraception, pregnancy testing, menopause, breast

health, cervical cytology, patient group directions, diagnostic procedures and treatments for sexually transmitted infections, partner notification, the mechanisms for reporting and monitoring STIs within the general population and sexual health promotion. Reflective practice will be a key theme within this module. By the end of this module students will have developed knowledge and understanding of the healthcare needs of clients who present at sexual health clinics and advanced/specialist communication skills.

CAREER PROSPECTS

New knowledge and skills can be applied to sexual and reproductive healthcare practice in a variety of settings such as primary care, schools, gynaecology, midwifery, youth clinics, and specialist sexual health services. Successful completion of the course may enhance employment opportunities in these areas of healthcare.

HEALTH, NURSING AND MIDWIFERY

Unscheduled Care

THE PROGRAMMES IN UNSCHEDULED CARE HAVE BEEN DEVELOPED FOR PROFESSIONALS WORKING IN THIS CLINICAL ENVIRONMENT. SUITABLE CANDIDATES WILL INCLUDE REGISTERED NURSES AND PARAMEDICS. THE PROGRAMMES HAVE BEEN DESIGNED TO BE VOCATIONALLY RELEVANT AND COMPLEMENT THE STRATEGIC DEVELOPMENT OF UNSCHEDULED CARE IN LINE WITH THE NHS NATIONAL OUT OF HOURS AND UNSCHEDULED PRACTICE AGENDA.

Students will be encouraged to develop and enhance their clinical skills, reflective practice, decision making and achieve core competencies focused on their own practice within Unscheduled Care.

The flexible delivery options enables students to study at a time and place to suit their individual learning needs. Academic support is provided by the module team and personal tutor. Programme content includes clinical assessment theory and competencies, common presentations of illness, assessment of minor injuries, non-medical prescribing theory and practice and finally, an opportunity for either developing skills in the area of the unplanned care of children/young people in an unscheduled care environment or an independent study.

COURSE CONTENT

Graduate Certificate Unscheduled Care

Students will study 3 modules at SCQF Level 9. The core module is Clinical Assessment plus there is the option to choose two of the following:

- Minor Injuries
- Common Presentations
- Unplanned Care of the Acutely Ill Child/Young Person

Alternatively students may opt to study the Non-Medical Prescribing modules and will be required to undertake 4 modules at SCQF Level 9. The core modules for this option are:

- Clinical Assessment
- Non-Medical Prescribing Theory
- Non-Medical Prescribing Practice

Campus

Paisley, Blended Learning and Distance Learning.

School

Health, Nursing and Midwifery

Entry

Candidates must be appropriately registered practitioners, for example, registered with the Nursing and Midwifery Council [NMC] or the Health Professions Council [HPC] and employed in an unscheduled care environment within United Kingdom jurisdiction.

All prospective students must have line management support and a clinical supervisor from their area of practice to supervise and assess clinical competency where required. Students will be required to submit a statement of support signed by their line manager and the prospective clinical supervisor to the Programme Leader prior to commencement on the programme.

Intake

September and February

Duration

Graduate Certificate (part-time)

minimum 1–2 years

Graduate Diploma (part-time)

minimum 2 years

Contact

Jan Meechie
Programme Leader
+44 (0)141 849 4311
or +44 (0)141 849 4332
or +44 (0)141 848 7044
uni-direct@uws.ac.uk

Plus students choose 1 of the following:

- Common Presentations
- Minor Injuries

Graduate Diploma Unscheduled Care

Students will study 6 modules at SCQF Level 9. Core modules are:

- Clinical Assessment
- Common Presentations
- Minor Injuries
- Non-Medical Prescribing Theory
- Non-Medical Prescribing Practice

Plus one of the following:

- Independent Study for Professional Practice
- Unplanned Care of the Acutely Ill Child/Young Person.

CAREER PROSPECTS

The programmes prepare students with the knowledge and skills required to develop their skill set within the unscheduled care environment. The expansion of key employability skills will assist the student in demonstrating they are ideally placed to develop their role as practitioners within the careers framework. Previous students have developed their role as out-of-hours nurse practitioners or gained promotion within their unscheduled care environment. Our Armed Forces students often successfully gain pay/career enhancement on successful completion of key modules within this portfolio.

HEALTH, NURSING AND MIDWIFERY

Vulnerability

THIS NEW AND INNOVATIVE PROGRAMME FOCUSES ON THE NATURE OF VULNERABILITY ACROSS THE LIFESPAN. VULNERABLE POPULATIONS REQUIRE COMMITTED PROFESSIONALS AND SUSTAINED COLLABORATIVE PARTNERSHIP WORKING ACROSS LOCAL GOVERNMENT, EDUCATION, HEALTH AND SOCIAL CARE AND ACROSS THE PUBLIC SECTOR WORKFORCE IN THE PLANNING, DELIVERY AND PRIORITISING OF RESOURCES. THIS PROGRAMME IS AT THE HEART OF THAT PROCESS BY CREATING OPPORTUNITIES FOR STUDENTS TO WORK COLLABORATIVELY TO REVIEW AND SHAPE FUTURE SERVICE DELIVERY.

It is aimed at a range of professionals from different areas of the public sector workforce such as health professionals, teachers, social workers and members of the police and fire service. Within these areas it is anticipated that professionals involved in the delivery of frontline services, managers and policy makers will find this programme highly beneficial.

The course aims to provide the opportunity for professionals to further develop their knowledge, skills and expertise in relation to vulnerability, health and social care. It is anticipated that students undertaking this degree will already have considerable professional expertise and knowledge. They will build upon this to ensure they continue to grow professionally and academically and develop critical thinking.

The programme of study consists of modules which have been tailored to facilitate the development of students' individual professional needs. These modules are set within a framework of inter-related themes, for example, protection throughout the life course, addiction and collaborative practice. The modules reflect contemporary issues of relevance for all public service professionals.

The MSc will respond to the needs of employers for a better qualified and research aware public sector workforce. This is a unique opportunity to be part of a programme which provides a flexible, individualised learning package which is suited to students' areas of professional practice and interest. Additionally individual student needs and employers' service provision requirements can be met.

Campus

Online, e-learning,
blended learning

School

Health, Nursing and Midwifery

Entry

Candidates must be able to satisfy the specific admission requirements for MSc programmes offered by University of the West of Scotland. Candidates should normally hold an undergraduate degree in a relevant discipline. Exceptions may be made in the case of those who can demonstrate significant work-based experience together with recent academic study at an appropriate level.

Intake

February

Duration

Postgraduate Certificate

(part-time) 1 year

Postgraduate Diploma

(part-time)

2 years but can be taken over a longer period

MSc (part-time) 3–5 years

Contact

University Direct

+44 (0)141 848 7044

uni-direct@uws.ac.uk

COURSE CONTENT

The programme comprises Postgraduate Certificate (60 credits, three modules); Postgraduate Diploma (120 credits, six modules); and MSc (180 credits, six Postgraduate Diploma modules) and dissertation module (worth 60 credits). The modules reflect contemporary issues of relevance for all public service professionals. Modules within the programme include: vulnerability; risk assessment and management; protecting the vulnerable child; social, emotional and behavioural difficulties; understanding substance abuse and addiction; dementia; research; learning disabilities; gender-based violence; inclusive education; mental health promotion; leadership; change management; staff management/ supervision and collaborative practice.

CAREER PROSPECTS

This programme will attract professionals from a clinical or management role. It can enhance career progression as it will provide graduates with the opportunity to develop the necessary skills and knowledge base to assume a key role within their organisation in terms of supervision, leadership, innovation, change management, clinical governance, research and development and critical thinking within their own discipline. It may lead to a range of career opportunities within public sector work areas.

HEALTH, NURSING AND MIDWIFERY

Other Study Options (part-time)

Advanced Clinical Practice (Postgraduate Certificate)

This is an innovative and challenging programme which is currently being accessed by two of our main NHS partners to support the development of newly appointed advanced nurse practitioners.

The development of new advanced clinical roles and the expansion of nursing and allied health professionals' clinical practice has been the catalyst for the development of this part-time Postgraduate Certificate programme, in close consultation with our NHS partners. The programme aims to provide a structured framework to enable practitioners to enhance their knowledge and clinical competence, while developing their critical thinking skills to support advanced practice. In this respect the programme should be of interest to those practitioners currently working in advanced practice roles as well as those experienced practitioners who aspire to further their career into the advanced practice domain.

The programme itself is flexible and is continually being developed to meet the needs of practitioners from a wide variety of clinical areas. Modules in specialist domains, such as 'Pain' and 'Vascular Access', have been added to the postgraduate portfolio and may be utilised as option modules for the Postgraduate Certificate to allow practitioners to focus on specialist areas of practice. Problem based learning, access to simulation labs

and virtual computer programmes in specific modules, enhances an already comprehensive learning experience. In order to ensure seamless application of theory to practice, students are required to identify an experienced mentor who will supervise, guide and assess the student during the acquisition of the necessary clinical competencies for the modules.

COURSE CONTENT

To achieve the award of Postgraduate Certificate Advanced Clinical Practice students are required to successfully complete three modules. The normal pathway comprises a core module, which would usually be taken first and then two option modules from a choice of five, selected to best suit the practitioner's needs for clinical practice. However, stand alone modules from the postgraduate portfolio that may already have been completed by the student can be added to complete the Pg Cert Advanced Clinical Practice as long as the core module of Advanced Patient Assessment is undertaken. If the 3 modules are undertaken in succession, one per trimester, the Postgraduate Certificate can be completed in 9 months, however, the student is allowed up to 2 years to complete. Should the student wish to continue on to the MSc Nursing programme it is possible, after approval from the lead for the MSc Nursing, to carry over up to 3 modules from the

Postgraduate Certificate, providing up to 60 credits towards the MSc.

Core module:

Advanced Patient Assessment

This module provides hands-on and simulated practice to assist in the application of the taught theory to practice in the assessment of all body systems. Consolidation of this practice and achievement of competencies is supported in practice by a mentor.

Option modules:

Diagnostic Decision Making

Problem based learning is applied to enable the student to relate pathophysiology and investigation results to specific conditions, through identification and exclusion of differential diagnosis.

Advanced Patient Interventions

This module is delivered as an independent study which allows the student to explore the patient interventions utilised in their own clinical area.

Advanced Work-based Learning

The student may negotiate the choice of a specific learning/development experience related to advanced practice within their own clinical area.

Common Clinical Presentations

From specific clinical presentations differential diagnosis, identification of red flags and conditions for referral are identified/discussed (A&E/ community focus)

Non-Medical Prescribing

The development of a portfolio consisting of case studies critically analysing prescribing practice. NMC prescribing certificate awarded. Option to include specialist postgraduate stand alone modules.

CONTACT

To find out more, contact
Ann McQuarrie, Programme Leader
+44 (0)1698 283 100 ext 8642
or +44 0141 848 7044
or email uni-direct@uws.ac.uk

HEALTH, NURSING AND MIDWIFERY

Other Study Options (part-time)

Advanced Non-Medical Prescribing

This course has been validated by the NMC and HPC and prepares eligible nurses, midwives and allied health professionals, who meet the professional criteria to prescribe independently and/or supplementary from the British National Formulary (BNF) within the Scottish legislative framework. The prescribing qualification must be recorded on the NMC/HPC register. The course runs as one module over 5 months, which includes 25 days on campus. The theoretical element includes in-depth pharmacokinetics and pharmacodynamics in relation to the main drug groups in the BNF and the principles and practice of prescribing. The on-campus teaching sessions are delivered by prescribing clinical nurse specialists, pharmacists and doctors. The theoretical element is generic in approach and this is contextualised in the student's area of clinical practice. Theory and practice are both assessed and a pass in all elements of the course is essential.

This course is optional within some postgraduate nursing and midwifery programmes. Students must have completed a module in advanced assessment and diagnosis before applying. In addition, they must have completed a module in research methodology. Undertaking this course will enable students to consolidate and develop their skill in critiquing research and to apply research findings

to prescribing practice. Throughout the duration of the course, individualised support and guidance is offered by the course team, either face-to-face or online.

Previous students have evaluated this course as being fully relevant and essential to advanced clinical practice. It has enabled them to develop their existing skill in patient/client assessment and diagnosis and enabled them to extend their care to pharmacological intervention.

The course is centrally funded by the Scottish Government. Students require the support of a doctor to supervise them throughout the course and either have the approval of their employer or be self-employed.

CONTACT

For more information contact Ellen McCormick, tel **+44 (0)141 849 4285** or e-mail uni-direct@uws.ac.uk

Cancer Care (Graduate Certificate)

This programme has been designed to enable practitioners to deliver evidence-based care to people with cancer. It aims to consolidate the knowledge and skills of graduate nurses and healthcare professionals and will meet the continuing professional development needs of practitioners working within both general and specialist areas. It would be advantageous for prospective students to be working in an area where people with cancer are regularly cared for. To be eligible for the Level 9 title students must successfully complete one core module, Principles of Cancer Care, plus two option modules from the following choice:

- Chemotherapy Theory & Practice
- Head & Neck Cancer Care
- Bone & Soft Tissue Cancer
- Haematological Oncology
- Care of Women with Cancer
- Genito-urinary Cancers
- An Introduction to Cancer Genetics

Please note, not all options will be delivered every academic year.

CONTACT

To find out more, contact Susan Jackson, Programme Leader, tel **+44 (0)141 849 4214** or email hnsu@uws.ac.uk

Child Protection (Postgraduate Certificate)

Recognising the increasingly high profile nature of child protection issues requiring an integrated multi-agency service response, the PgCert is aimed at practitioners working in health, police, social work, education and voluntary sector settings. Delivered on a part-time basis over one year the programme adopts a blended learning approach utilising open learning workbooks supported by twelve study days within the University at either Paisley or Hamilton campuses.

The programme consists of three core modules; Child Protection in Context focusing on contemporary policy, legal and societal perspectives; Protecting Children which examines a lifespan approach to child development and familial and social factors which may adversely impact on that development; and Child Protection Practice which focuses on key issues of assessment and intervention in addressing the needs of vulnerable children.

Candidates should normally have a degree, although those with significant practice experience may be considered for entry. The PgCert in Child Protection now offers participants the opportunity to continue their studies towards obtaining the MSc Vulnerability.

CONTACT

For more information, contact Martin Donachy, Lecturer, tel **+44 (0)1292 886246** or email uni-direct@uws.ac.uk

HEALTH, NURSING AND MIDWIFERY

Other Study Options (part-time)

Health Studies BSc (part-time)

This part-time programme aims to enable qualified, healthcare professionals to gain their first degree by offering a wide range of academic modules which are clinically and professionally relevant to modern healthcare.

The modules are designed to encourage students to develop critical and analytical problem-based learning skills as well as a range of general transferable skills, in a flexible way that reflects the demands of today's healthcare professionals.

It offers a range of alternative but integrated methods of learning that include traditional classroom-based learning, e-learning and work-based learning.

The programme also facilitates the development of the student's professional and intellectual abilities by providing an educational experience that is underpinned by evidence-based learning. This allows them to respond to the changing health needs of the people and populations they encounter in solution-focused and innovative ways. The programme also provides a firm foundation from which students can go on to develop specialist skills and knowledge through further, more advanced study.

Although there is no specified duration, most students find that they can complete the programme within a 2 year period with very few studying

beyond 4 years. The length of time it takes to complete this degree will vary, depending on existing professional and academic qualifications, and on the number of modules undertaken per trimester/academic session. The flexibility of this programme renders it possible to fit study in with work and family commitments.

CONTACT

For more information contact Liz Richmond,
tel **+44 (0)141 849 4231**
or email uni-direct@uws.ac.uk

Palliative Care (Graduate Certificate)

This programme has been designed to equip graduates with enhanced knowledge and skills to enable them to provide evidence-based, holistic, palliative care to those who require it regardless of place of care or diagnosis. It is aimed at experienced health and social care professionals eg nurses, allied health professionals and doctors who care for patients, regardless of age, with life-limiting illnesses whether in primary, secondary or tertiary care.

To gain this Level 9 award, students must successfully complete three core modules; Palliative Care Principles 1, Palliative Care Principles 2, and Non Malignant Palliative Care. All modules are delivered by distance learning or as blended learning approach. The length of time it takes to complete this programme would normally be one year, on a part-time basis.

CONTACT

For more information contact Elaine Stevens, Programme Leader,
tel **+44 (0)141 849 4299**
or email hnsu@uws.ac.uk

SCIENCE



GET THE
KNOWLEDGE
AND SKILLS TO
MAKE YOUR MARK.

SCIENCE

POSTGRADUATE COURSE DEVELOPMENT AT UWS IS UNDERPINNED BY APPLIED RESEARCH, RECOGNISED BOTH NATIONALLY AND INTERNATIONALLY, ENSURING YOU BENEFIT FROM CURRENT ACADEMIC EXPERTISE AND GRADUATE WITH SECTOR-RELEVANT KNOWLEDGE. POSTGRADUATE PROGRAMMES ARE SUPPORTED BY EXCELLENT ON-CAMPUS FACILITIES AND BY STRONG LINKS WITH COMPANIES, PROFESSIONAL BODIES AND OTHER INSTITUTIONS

In the field of science, we are recognised for our work across many areas, including Biomedical and Medicinal Sciences; Environmental Science and Technology; Chemical Sciences; Sports Science and Forensic Science.

RESEARCH EXCELLENCE

We have a number of specialist units that act as industrial research and development facilities, as well as continuing professional development and training centres. These include the Quality Centre, which is recognised as a Centre of Excellence by the Chartered Quality Institute; the Centre for Environmental and Waste Management; the Neurovascular Inflammation Group; the Environmental Initiatives Research Group (EIRG); and the Health and Exercise Sciences Research group.

A prominent area of our health research is associated with the Neurovascular Inflammation Group, a multidisciplinary research group looking at novel treatments of inflammatory diseases, such as rheumatoid arthritis and related drug delivery systems. Other research focuses on factors regulating proliferation, pluripotency and differentiation in normal and leukaemic stem cells. Our excellent reputation for applied, interdisciplinary research is set to be enhanced by significant recent investment in new laboratories for engineering and science. Collaborative external links play an important role in our ongoing success and allow significant investment in the latest facilities.

Research in EIRG crosses many disciplines, to focus on the identification, management and remediation of environmental problems. Particular areas have been investigating the long term behaviour and impact of metal rich wastes, assessment and management of contaminated land, the behaviour process of products in new product formulation through to the impacts of climate change

Section contents

Advanced Biomedical Science*	164
Biotechnology	166
Drug Design and Discovery	168
Environmental and Clean Technology*	170
Occupational Safety and Health	172
Project Management	174
Quality Management	176
Waste Management with Environmental Management	178

*At time of print, course offered subject to final University approval.

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.

on planning community adaptation in coastal zones. Staff in EIRG are part of a large multidisciplinary consortium which recently studied maternal health and micronutrient deficiencies in rural Malawi, bringing together skills in geochemistry with those in spatial science and health. Staff are also active in supporting policy development in environmental areas and work with large consortia of academics across Scottish HEIs and internationally with research groups in Europe, Asia and Africa.

Investment through the Scottish Funding Council has allowed a number of specialist facilities to be established to support research staff and students in the School. These include an Advanced Chemical Analysis Lab: with state-of-the-art chemical analysis for isotopic and elemental analysis at trace concentrations using ICPMS/OES and the identification of organic compounds using LC-MS. The Spatial and Pattern Analysis (SPAR) Lab: providing high specification workstations, geographical information system (GIS) software, geochemical and image processing facilities to support data management in science research.

Strong links exist between the School of Science and industry with many staff involved in research and development, solving process and production problems and undertaking investigative chemical analysis.

Drug Discovery is an expanding area of research in the School of Science and benefits from the close collaboration between staff in chemical and life sciences. The wide range of expertise and facilities in this area are ideally suited for the work of identifying and testing possible drug candidates. Resources include computer molecular modelling, synthetic organic chemistry, nmr spectroscopy, chromatographic drug analysis and bio-assay. The large medicinal chemistry research group is working on projects such as the synthesis of peptide analogues of enkephalins and endomorphins, synthesis of novel azasteroids and an investigation into their biological activity, a study of the anti-oxidant properties of imidazole compounds involving quantum mechanics and laser flash photolysis and the design and synthesis of novel antimalarial agents and of novel analgesics.

SCIENCE

Advanced Biomedical Science

THE MSc IN ADVANCED BIOMEDICAL SCIENCE AT UWS IS FOCUSED ON RESEARCH ADVANCES MADE IN BIOMEDICAL SCIENCES IN RECENT YEARS. THE AIM IS TO PROVIDE KNOWLEDGE AND CRITICAL UNDERSTANDING OF A RANGE OF THEORETICAL AND PRACTICAL SKILLS RELEVANT TO THE HEALTHCARE INDUSTRY WITH A PARTICULAR EMPHASIS ON BIOMEDICAL SCIENCES LABORATORIES IN BOTH THE NHS AND PHARMACEUTICAL INDUSTRY.

UWS has an established reputation for course provision in advanced biomedical sciences via our current BSc programmes and this course makes use of the existing successful links with local NHS and industry laboratories to provide discipline-specific experts to complement the skills of the University's School of Science teaching staff. The research-orientated nature of the course will also offer an additional option for students wishing to retrain for a career in the pharmaceutical and healthcare industries.

The course is available to both EU and overseas students (full-time only) with the content of the programme aimed to give students theory, practical skills and applications of a range of techniques relevant to the biomedical sciences such as medical genetics, immunobiology, disease pathology and will include two optional modules allowing students to specialise in either blood sciences, infection or pathology.

COURSE CONTENT

The exit award of MSc will be awarded on successful completion of 180 credits. Students on the full-time programme will study three 20 credit modules in both Trimester 1 and 2 and a 60 credit research project in Trimester 3. Alternative exit awards of Postgraduate Certificate (completion of three taught modules) and Postgraduate Diploma (completion of six taught modules) are available.

Students will study the following four core modules:

- Genetic Analysis and Cancer – a detailed look at how better understanding and discoveries in the genetic basis of diseases has impacted on healthcare treatment
- Clinical Immunology – providing an understanding of the human immune system and advances in immunological applications to diagnostic and research healthcare

Campus

Paisley

School

Science

Entry

Applicants must have gained a second class BSc in Biomedical Science, Bioscience or a related science degree. Applicants may also be considered with other academic, vocational or professional qualifications deemed to be equivalent. Overseas students must meet UWS English language requirements. (Please also see page 196 for more details)

Intake

September

Duration

MSc (full-time/part-time)

1 year*/2 years

Postgraduate Diploma

(full-time/part-time)

9 months/18 months

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Robin Freeburn

+44 (0)141 849 4109

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

- Disease; Detection, Monitoring and Therapy – a detailed overview of the current understanding of the diagnosis and treatment of many common diseases eg diabetes and cancer
- Research Design – will provide students with the skills to critically assess previous research studies, apply appropriate statistical analysis and produce a comprehensive research proposal

Students will also study two modules in their chosen specialist discipline from:

- Blood Sciences
- Cell & Tissue Pathology
- Infection Diagnostics

A taught module in the chosen discipline will provide advanced understanding of the major systems and diseases within that area with particular emphasis on laboratory diagnosis and research advances. Research Advances in BMS modules will focus on the chosen discipline and enable students to critically review and evaluate current research within their specialist area and integrate this with the latest research publications.

Work-based learning modules are available to part-time students completing the IBMS Specialist portfolio as an alternative to the discipline specific modules.

MSc

Upon successful completion of the taught modules students can undertake a research project which will lead to the award of the MSc. The project will involve carrying out a piece of original lab-based research work under the supervision of the research active staff within the School of Science. Current research themes within the School include rheumatoid arthritis, lymphoid leukaemia, haemopoietic stem cells, parasitology, anti-tumour agents and drug discovery.

PROFESSIONAL RECOGNITION

Accreditation with the professional body (Institute of Biomedical Science) is subject to final confirmation.

SCIENCE

Biotechnology

RECENT ADVANCES IN SCIENTIFIC RESEARCH HAVE LED TO EXCITING DEVELOPMENTS IN THE BIOTECHNOLOGY SECTOR WORLDWIDE. SCOTLAND HAS ALREADY ESTABLISHED AN INTERNATIONAL REPUTATION IN THIS AREA AND HAS A COMMITMENT TO DEVELOP THE SECTOR OVER THE NEXT TEN YEARS.

Students will have the opportunity to advance both theoretical and practical skills in biotechnology in addition to gaining an understanding of the nature of the business.

The School of Science currently delivers undergraduate provision in applied bioscience and we have developed strong links with local employers over several years through work-based learning. We have an established reputation for delivering current and relevant courses which meet the demands of both the biotechnology industry and research.

The aim of the programme is to provide knowledge and critical understanding of a range of theoretical and practical skills relevant to the biotechnology industry, develop an awareness of the principles of commercialisation in the industry and develop research skills to prepare students for employment in the biotechnology sector or progression to further research.

COURSE CONTENT

The exit award of MSc will be awarded on successful completion of 180 credits at Level 11. Students on the full-time programme will study three 20 credit modules in both Trimester 1 and 2 and a 60 credit research project in Trimester 3. Alternative exit awards of Postgraduate Certificate (completion of three taught modules) and Postgraduate Diploma (completion of six taught modules) are available. The taught modules will include:

- Nucleic Acid and Protein Technology
- Microbial Technology
- Medical Biotechnology
- Bioanalysis
- Research Design
- Bioindustry or Placement Learning

The content of the programme aims to give students theory, practical skills and applications of a range of techniques relevant to the biotechnology industry such as nucleic acid technology, protein analysis, analytical techniques, microbiology, virology, immunology, and cell culture.

Campus

Hamilton

School

Science

Entry

Applicants must have gained a second class BSc (Hons) or equivalent in Bioscience, Biotechnology or a related Science degree. Applicants may also be considered with other academic, vocational or professional qualifications deemed to be equivalent. Overseas students must meet UWS English language requirements. (Please also see page 196 for more details)

Intake

September and February

Duration

MSc (full-time/part-time)

1 year*/2 years

Postgraduate Diploma (full-time/part-time)

9 months/18 months

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Gail McGarvie

+44 (0)1698 283100

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

Underlying this will be an emphasis on the importance of quality control, quality assurance and good lab practice. In the module Biotechnology Industry, students will learn the principles of running a commercial business.

MSc

Upon successful completion of the taught modules, students can undertake a research project which will lead to the award of the MSc. The project will involve carrying out a piece of original lab-based research work under the supervision of staff within the School of Science.

SCIENCE

Drug Design and Discovery

THE PGDip/MSc DRUG DESIGN AND DISCOVERY COVERS THE PROCESS OF IDENTIFYING, DEVELOPING AND TESTING COMPOUNDS WITH POSSIBLE PHARMACEUTICAL APPLICATIONS.

Designed with input from industry, this programme is an excellent choice for any student planning a career in the pharmaceutical industry or academic research.

The programme provides theoretical and practical training in the strategies and techniques by which novel drugs are designed. This is a multidisciplinary approach which involves synthetic chemistry, medicinal chemistry, molecular modelling, pharmacology, bio-assays and chemical analysis. The content of the course reflects the latest strategies and technologies involved in the discovery and testing of novel drug candidates.

The full MSc programme consists of six taught modules over two trimesters followed by a substantial research project. The programme is delivered using a blend of teaching and learning methods including lectures, tutorials, laboratories, molecular modelling laboratories, group projects, directed study and literature reviews. This mix of teaching methods allows students to gain sufficient depth of knowledge and practical experience to enhance their prospects of a career in medicinal chemistry. The Blackboard virtual learning environment is an

integral component of all modules including its use as a means of online formative assessment.

COURSE CONTENT

Core modules:

- Drug Discovery and Development
- Drug Research Methods
- Computer-Aided Drug Design
- Preclinical Drug Testing
- Pharmaceutical Synthesis
- MSc Science Research Project

Optional modules:

- Work Placement
- Organic Chemistry
- Public Health Microbiology
- Drug Design and Discovery

MSc

A research project in the drug design and discovery area will be carried out to complete the MSc, involving the application of knowledge and practical techniques covered in the programme. There are currently a variety of research projects ongoing in this area, these include testing of potential anti-tumour agents, novel anti-infective agents and enkephalin analogs, design and synthesis of opioidmimetics, cannabinoidmimetics and compounds used against Alzheimer's disease.

Campus

Paisley

School

Science

Entry

Candidates must normally possess a good first degree in chemistry, pharmacy, or a bioscience with substantial chemistry content. Other professional qualifications equivalent to a degree, or a lesser, appropriate qualification and experience gained in industry will also be considered. (Please also see page 196 for more details).

Intake

September and February

Duration

MSc 1 year*

Postgraduate Diploma

9 months

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Dr Ciaran Ewins

+44 (0)141 848 3206

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

WORK PLACEMENT

Students may have the option of taking a work-based learning module involving placement in industry for approximately one day per week during second Trimester. Placements will be with pharmaceutical, chemical or bioscience companies.

CAREER PROSPECTS

The programme has been designed in consultation with industry; the content of the course and the techniques covered reflect the approaches taken by modern pharmaceutical companies. Our aim is to produce graduates with an expert knowledge and practical experience of the most up-to-date techniques used in drug design and discovery. Employability will be further enhanced with the possibility of spending time on a work placement in industry.

"I have learned a lot about medicinal chemistry and the drug development process. We had a guest speaker from a major pharmaceutical company who was a real inspiration to us and I have been able to go on a work placement gaining valuable industrial experience. At UWS, the staff are all very friendly and approachable, and the facilities are very modern."

Graeme Morris
MSc Drug Design and
Discovery student

SCIENCE

Environmental & Clean Technology*

AN INNOVATIVE PROGRAMME BRINGING STATE-OF-THE-ART TECHNOLOGIES TO MITIGATE ENVIRONMENTAL PROBLEMS.

The Environmental & Clean Technology (ECT) programme develops core skills in environmental management, coupled with an understanding of technologies that enhance the sustainable use of natural resources and minimise the environmental impact of economic activities, exploiting value from industrial process by-products and waste materials. The programme is a variant of the University's successful PgD/MSc programme Waste Management with Environmental Management that has been delivered through the Centre for Environmental & Waste Management at UWS since 1992 (see page 178).

The programme is aimed at enhancing the ability of graduates to work in the growing environmental and clean technologies sector, where there is growing global demand for skilled graduates. It is delivered by a multidisciplinary team from across science and engineering, led by research-active academics. The teaching team is experienced in projects monitoring and assessing environmental impacts, developing innovative treatment technologies and working with industry and business.

They have also been involved in support for and development of environmental policy and regulation in the UK, the EU and internationally. Research undertaken by members of the programme team includes international projects addressing topics such as regional pesticide pollution, aquatic ecotoxicology, nutrition and maternal health, and climate change. In addition, current projects include waste and environmental audits, environmental impact assessments and waste treatment facility siting.

COURSE CONTENT

The programme has a common first trimester with the University's Waste Management with Environmental Management programme (see page 178). The second trimester contains new, specialised modules in environmental tools and technologies. All MSc candidates undertake a research project/ dissertation in Trimester 3. Subjects studied include:

- Environmental Protection
- Statutory Framework
- Management Systems
- Pollution Control
- Process Principles in ECT
- Concepts, Tools, Methods in ECT

Campus

Paisley

School

Science

Entry

For the Postgraduate Diploma, applicants must normally hold a relevant science or engineering degree or other equivalent professional qualification or have equivalent experience gained in industry. Applicants who have previously completed a Postgraduate Diploma in an appropriate discipline may be admitted at an appropriate stage. (Please also see page 196 for more details)

Intake

September

Duration

MSc (full-time/part-time)

1 year*/18 months

Diploma (full-time/part-time)

9 months/27 months

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Dr Simon Cuthbert

+44 (0)141 848 7044

uni-direct@uws.ac.uk

*At time of print, course offered subject to final university approval.

CAREER PROSPECTS

The global market in environmental goods and services is currently worth about £3 trillion. In 2009, global investment attracted by "green technologies" for electrical power generation exceeded that for coal and natural gas. The ECT area is being actively promoted in the UK and Scottish context for economic development. Future employment opportunities for graduates will be across all industrial sectors and within both public and private sector bodies dealing with environment, pollution control, waste management, regulation and enforcement in the emerging technologies to improve environmental performance. This includes process based as well as management, audit and impact assessment.

PROFESSIONAL RECOGNITION

On joining this course, students can apply to the Chartered Institution of Wastes Management (CIWM) to become a Student Member. On successful completion of this course, students can apply to CIWM to become a Graduate Member and use the designatory letters Grad MCIWM.



SCIENCE

Occupational Safety and Health

THE PROFESSION OF SAFETY MANAGEMENT HAS UNDERGONE RAPID CHANGE IN THE PAST FEW YEARS AND SAFETY PROFESSIONALS ARE EXPECTED TO CONTRIBUTE TO MANY AREAS OF ACTIVITY IN INDUSTRY, COMMERCE AND THE PUBLIC SECTOR.

The job of the safety professional has expanded from the traditional role of accident prevention and protection of individual employees to include safety management systems, risk assessment, risk reduction and risk control techniques.

The modern professional is also expected to deal with a growing volume of proactive legislation arising from national and European government bodies. The safety professional is concerned with the management of risk, particularly the risk of injury or harm by workplace activities. In order to perform their duties effectively, the safety professional must fully understand the concept of risk, be aware of specific risks, effects on workers and control and preventative strategies. They must also be prepared to deal with detailed legislation, be aware of the financial implications of decisions and obtain the best working environment at affordable costs. In addition, the professional should be aware of human behaviour and be familiar with an extremely wide range of 'safety technology'.

The BSc in Occupational Safety and Health provides the academic framework and experience for the safety professional that can provide a safe and secure working environment for their company's employees and do this in a cost-effective manner. The modules deal with the effect of workplace risks on the individual, providing a basic grounding in human anatomy and covering toxicology, biological monitoring and data handling.

The course also covers the technology of risk control, enabling the identification of hazards and the development of effective control strategies.

The requirement to deal with specific risks is underpinned by health and safety law and how it applies to health and safety in the workplace, by the use of specific statute and case law. In addition, the programme covers the areas of risk identification, assessment and control in a general way, with special regard to the effects of human behaviour. This will enable the development of effective control strategies for individuals, systems and organisations.

Campus

Paisley

School

Science

Entry

Candidates for this programme should normally hold a minimum of an HNC in an appropriate discipline, a pass in the NEBOSH National Certificate and equivalent professional experience deemed to equip the applicant with the necessary knowledge and skills to successfully complete the programme. The current level of the applicant's job responsibility will also be taken into consideration. (Please also see page 196 for more details)

Intake

September

Duration

BSc (part-time)

3 years if entry at Level 8;
1 year if entry at Level 9*
*Level 9 entrants will study over two summer Trimesters as well as over Trimesters 1 & 2

Contact

Mr Jan Miller

+44 (0)141 848 3249

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

COURSE CONTENT

The course is offered on a part-time basis over a period of three years. To ensure maximum flexibility for those in full-time employment, attendance is required on one half day plus one evening per week. The course is designed in a modular form, with compulsory modules and a final year project. The modules are free-standing and may be studied in any order, allowing candidates to join the course in September each year.

Level 8 (Year 2 of degree)

At Level 8, topics will include health and hygiene; health and safety law; analytical measurements; safety technology; the management of risk; and working environment.

Level 9 (degree year)

At Level 9, topics will include health and safety case studies; safety management skills; managing health and safety; environmental responsibilities; managing business risks; and safety management project.

PROFESSIONAL RECOGNITION

Upon successful completion of this course, students can apply to the Institution of Occupational Safety and Health and could therefore, on acceptance from IOSH, use the designatory letters Grad IOSH. This category denotes those who are academically qualified to become Chartered Members, but are currently completing a mandatory IPD/CPD cycle.



SCIENCE

Project Management

'PROJECT MANAGEMENT COULD BE SAID TO BE AS OLD AS HUMAN KIND SINCE BY DEFINITION, ANY MANAGEMENT ACTIVITY THAT INTRODUCES A NEW OBJECTIVE OR CAUSES CHANGE AND HAS A DEFINITIVE START AND FINISH TIME IS A PROJECT.' (BS 6079-1:2002)

The MSc in Project Management is currently the only generic project management programme offered in the west of Scotland.

In every business, and in every industry, there is a need for effective project management. This includes project managing major builds in the construction industry; new product development projects within manufacturing; or even managing large or small events in a commercial organisation.

Whatever the industry and project, there is a need for graduates with generic project management skills and techniques that are necessary to ensure a successful conclusion to a particular project. The development of this programme has been driven by the needs of industry and student demand to provide postgraduate education in project management that fully meets employer needs.

This programme examines current practices, issues and trends in the field of project management and provides students with specialist knowledge of the skills and techniques necessary for effective project management. It

is structured around a number of core modules which offer in-depth study of the subject area.

The main aims of the programme are to:

- produce graduates with the necessary skills and confidence to guide and manage projects to successful completion
- equip graduates with key skills for employment in the field of, and associated fields of, project management
- produce graduates with an enquiring, analytical and creative approach to managing projects
- develop and encourage independent judgement and critical awareness in managing projects
- guide students in developing an independent approach to investigating and presenting findings on a research topic at postgraduate level

UWS academic staff will be complemented by a number of industry practitioners who will deliver lectures on key topics. There will also be opportunities for work-based practice through the use of case studies and field

Campus

Paisley

School

Science

Entry

A first degree, or equivalent, in an appropriate discipline from CNAAB, a United Kingdom university or an equivalent institution. Direct entry to the MSc programme will require students to have completed a Postgraduate Diploma in an appropriate discipline or an acceptable equivalent. Entry to the postgraduate course (other than Masters direct) may be open to holders of an HND or DipHE award in an appropriate discipline, or a professional qualification accepted as of equivalent status and usually at least three years' relevant experience. Candidates without formal qualifications who possess extensive professional experience deemed to equip the applicant with the necessary knowledge and skills to successfully complete the course (normally at least eight years) may also be admitted to the postgraduate programme. Applicants may also be considered with other academic, vocational or professional qualifications deemed to be equivalent. (Please also see page 196 for more details).

Intake

September

trips to organisations carrying out major projects.

The programme uses a variety of teaching and learning approaches including lectures, tutorials, laboratories, seminars, small group work, role play, case studies, and field trips. Through this, you will further develop the skills of critical thinking, reflection, negotiation, problem-solving, analysis, communication and presentation, networking and academic writing.

COURSE CONTENT

Postgraduate Certificate

- Project Management Fundamentals (10 point module)
- Change Management and Leadership
- Strategic and Risk Management
- Project Standards and Technologies (10 point module)

Postgraduate Diploma

- Case Studies in Project Management
- Advances in Project Management (10 point module)
- Management Systems

plus one from:

- Financial Resources (10 point module)

or

- Research Methods (10 point module)

MSc

- MSc Project

CAREER PROSPECTS

Students will be able to gain employment as project managers in a wide field of organisations such as consultancy firms, construction, manufacturing, events and service organisations.

PROFESSIONAL RECOGNITION

Strong links exist with the Project Management Institute and accreditation is currently being sought.

Duration

MSc (full-time/part-time)

1 year*/24 months

Certificate/Diploma

(full-time/part-time)

9 months/18 months

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Michele Cano/Jeremy Garnett

+44 (0)141 848 7044

uni-direct@uws.ac.uk

SCIENCE

Quality Management

QUALITY MANAGEMENT IS THE APPLICATION OF SPECIALISED MANAGERIAL AND TECHNOLOGICAL SKILLS TO ACHIEVE THE DESIRED QUALITY AT A MINIMUM COST. IT ALSO ADDRESSES STRATEGIC QUALITY ISSUES AND LEADERSHIP IN ESTABLISHING A TOTAL QUALITY ETHOS WHICH FOCUSES ON ACHIEVING CUSTOMER SATISFACTION. THE UNIVERSITY OFFERS AN INTEGRATED QUALITY PROGRAMME LEADING TO THE ARTICULATED AWARDS OF POSTGRADUATE DIPLOMA AND MSc IN QUALITY MANAGEMENT.

Core modules develop management skills, technical knowledge and the range of expertise required to enable students to understand, identify, analyse and assess the criteria which influence the quality decisions required at all stages of the product or service life cycle. An understanding is also given of the complexities and inter-relationships which exist in implementing cost effective quality management solutions to the ISO9000 series of standards and to the EFQM model.

Emphasis is placed on the practical aspects of implementing a quality approach to the work of an organisation and the development of functional skills to satisfy an identified market demand for professionals conversant with the management of quality.

The programme keeps up-to-date with industry practices and there is a strong emphasis on practical elements such as 'live' quality audits within local industry, case studies and seminars with the Chartered Quality Institute. Lean manufacturing principles and six sigma are also included as part of the curriculum.

The course is suitable for those wishing to pursue a career in the industrial or service sector and is structured to respond to the latest developments in areas such as IT and European standards.

Campus

Paisley

School

Science

Entry

Diploma applicants must normally possess a degree, an equivalent qualification or a lesser appropriate qualification plus equivalent experience gained in industry. Students completing the Diploma at a sufficiently high standard may transfer to the MSc. MSc applicants must normally possess an Honours degree or an equivalent qualification. MSc applicants will register for both the Diploma and the MSc and will be subject to progression requirements. Students who have previously completed a Postgraduate Diploma in Quality may be admitted to the MSc at the appropriate stage. (Please also see page 196 for more details)

Intake

September. A February intake to this programme may also be possible. Contact course leader for details.

Duration

MSc

(full-time/part-time)

1 year*/33 months

Diploma

(full-time/part-time)

9 months/24 months

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

COURSE CONTENT

Full-time Diploma and MSc students undertake six core and two option modules over two Trimesters. MSc students must also complete a significant industrial or University-based dissertation over the summer.

Core modules currently include:

- Managing Quality
- Software Quality Technology
- Statistical Quality Control
- Strategic & Risk Management
- Interpersonal Skills & Change Management
- Management Systems

Option modules currently include:

- Service Quality
- Operations & Project Management
- Research Methods

MSc

- MSc Project

CAREER PROSPECTS

Recent graduates have gone on to work in the following companies:

- Toyota Europe (Brussels) in the Quality Department
- IBM, global quality operations
- Business Development in Strathclyde Passenger Transport
- Quality positions in Oki
- Operations Site Leader, Honeywell

PROFESSIONAL RECOGNITION

The Diploma and MSc courses have academic membership validation from the Chartered Quality Institute.



Contact

Michele Cano
 +44 (0)141 848 3669
 or +44 (0)141 848 7044
 uni-direct@uws.ac.uk

SCIENCE

Waste Management with Environmental Management

THE TREATMENT AND DISPOSAL OF INDUSTRIAL WASTE IS A MAJOR CONCERN WITHIN THE BROAD SPECTRUM OF ENVIRONMENTAL ISSUES.

The minimisation and ultimate elimination of waste as a result of both UK and European legislation, and pressure from the public at large, requires significant increases in industrial expertise and efficiency. The powers of regulatory bodies are being strengthened worldwide to enable the enforcement of new protection measures and many industries now face difficulties satisfying legislative demands. Against this background, the University has introduced this course which enables graduates to develop the technical and managerial skills increasingly required by industry.

Students study a range of core modules to gain a systems approach to their understanding of the world. Environmental problems are tackled using sound scientific principles and all students study integrated management systems to provide a strong basis for further study. The legal framework within which professionals are constrained is also examined.

Emphasis is placed on identifying the industrial and production processes which create waste and on proposing suitable control measures to reduce or eliminate unwanted by-products. Various techniques are open to the waste manager including emissions

control, water treatment, solid waste disposal, recycling and energy extraction from waste. The Environmental Protection Act limits what is legally possible, whilst other technical and economic factors will also be evident. The waste management professional requires a broad base of skills in chemistry, physics, engineering, law and economics, coupled with relevant management experience and the integrating skills required to be able to draw on all of these fields in the proposal of a waste management solution.

The course prepares students in the essential skills required to produce waste audits and environmental assessments within the given legal framework and graduates of this programme will find themselves in employment within companies producing these assessments or within the public sector, enforcing the relevant legislation. Environmental management issues are considered in a global context. The regulatory framework of the European Union as it applies to the UK is studied.

Campus

Paisley

School

Science

Entry

For the Postgraduate Diploma, applicants must normally hold a relevant degree or other equivalent professional qualification or have equivalent experience gained in industry. Applicants who have previously completed a Postgraduate Diploma in an appropriate discipline may be admitted to the course at an appropriate stage. (Please also see page 196 for more details)

Intake

September

Duration

MSc

(full-time/part-time)

1 year*/18 months

Diploma

(full-time/part-time)

9 months/27 months

*To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Jennifer McQuaid-Cook

+44 (0)141 848 3248

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

COURSE CONTENT

Part-time study requires attendance on one or two afternoons per week and full-time study requires three afternoons per week. The Postgraduate Diploma comprises six taught modules. Students completing the MSc must subsequently undertake an extended project. Students will study a range of topics including:

- Management Systems
- Statutory Framework
- Environmental Protection
- Sustainable Waste Management
- Waste Management Techniques
- Pollution Control
- Waste Masters Dissertation

PROFESSIONAL RECOGNITION

On joining this course, students can apply to the Chartered Institution of Wastes Management (CIWM) to become a Student Member. On successful completion of this course, students can apply to CIWM to become a Graduate Member and use the designatory letters Grad MCIWM. This category denotes those who are academically qualified and concerned with wastes management, but do not have the necessary continuous relevant experience required for Corporate Membership.



SOCIAL SCIENCES

SOCIAL SCIENCES
EXAMINE THE
WORLD WE LIVE
IN – FROM THE
WAY WE THINK
AND BEHAVE
TO THE DECISIONS
MADE THAT SHAPE
OUR SOCIAL
ENVIRONMENT.

SOCIAL SCIENCES

APPLIED RESEARCH, COLLABORATION WITH BUSINESS, THE PUBLIC SECTOR AND VOLUNTARY AGENCIES AND WORK-RELATED LEARNING ENSURE YOU ARE READY TO ENTER A RANGE OF REWARDING CAREERS.

We offer specialist postgraduate courses in Career Guidance and Development, Alcohol and Drug Studies and Race Equality. The MSc programmes in Career Guidance and Development and in Alcohol and Drug Studies require students to carry out research projects resulting in a dissertation at Masters level. Part-time, full-time and distance learning options provide you with added flexibility. In addition, we offer a range of modules and short courses for continuing professional development.

RESEARCH

Research in social sciences is varied and spans the key disciplines of sociology, psychology, political science and social policy. Particular strengths lie in applied research into issues relating to healthcare and wellbeing, social policy and social work and criminal justice. In the RAE 2008, the School submitted two Units of Assessment – Health Services Research and Social Policy. The research work was rated as internationally excellent, with some sections as world-leading.

A dedicated Institute for Applied Social and Health Research focuses on policy-relevant areas on the theme of health and social well-being. Two areas of particular interest are child employment and the social and behavioural aspects of drug use. The Institute supports the work of existing research groups, whilst also playing a key role in developing collaborative research within the University through a series of Research Networks, and, acting as an important point of contact for external organisations. Chairs in Public Health, Psychology and Social Work extend our areas of expertise. The Institute is committed to working in partnership with local and national organisations. To date, research has been carried out with the Scottish Government; the NHS; local authorities; Department of Education; Age Concern Scotland; Careers Scotland; NSPCC; Alcohol Focus Scotland; Joseph Rowntree Foundation and other academic institutions.

HIGHER DEGREES BY RESEARCH IN SOCIAL SCIENCES

Students interested in research degrees at MPhil and PhD level may apply direct with their own research proposal – see page 28 and

www.uws.ac.uk/apply/research-apply.asp or you may apply for a UWS funded research studentship – see page 28 and www.uws.ac.uk/studentships

Section contents

Alcohol and Drug Studies	184
Career Guidance and Development	186
Race Equality	188

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.

DRUG AND ALCOHOL RESEARCH AND TEACHING (DART) CENTRE

DART is a teaching, research and consultancy organisation, within the Institute for Applied Social and Health Research. DART provides information on alcohol and drug-related issues and offers postgraduate qualifications in Alcohol and Drug Studies to Masters level, as well as opportunities to study to higher degree level. Recent and current DART research includes:

- prevalence and incidence of Hepatitis C infection among Scottish injecting drug users
- occupational exposure to blood borne viruses among police and prison officers
- evaluation of a community Hepatitis C outreach clinic
- perceptions of risky injecting behaviour among injecting drug users
- recovery among drug and alcohol users in Glasgow

A Scottish Government-funded research project examining risk behaviours for transmission of Hepatitis C infection was the first of its kind in the UK.

A training video for drug workers was developed using the results of this study.

CENTRE FOR CRIMINAL JUSTICE AND POLICE STUDIES

The Centre acts as a focus of innovation and excellence in both teaching and research. Plans for development include PhD studentships; practitioner fellowships; and collaboration with other universities on further qualifications for serving police officers. The Centre works closely with employers to develop CPD opportunities aimed at the growing range of criminal justice professions which are developing in policing, community safety and anti-social behaviour. Current research includes a study of police organisation in Scotland; offending behaviour, and fraud.

MSc RESEARCH METHODS FOR BUSINESS, CULTURAL AND SOCIAL SCIENCE RESEARCHERS

This programme offers flexible and comprehensive research training and development to research students of the Faculty of Business and Creative Industries and more widely in Social Sciences. For more information see page 70.

SOCIAL SCIENCES

Alcohol and Drug Studies

THE PROGRAMME WILL OFFER AN UNDERSTANDING OF THE PROCESSES INVOLVED IN INDIVIDUALS BECOMING SUBSTANCE USERS AND PROBLEMATIC SUBSTANCE USERS.

Influences on behaviour change, including policy, legal, educational, psychosocial and pharmacological approaches will be examined. Current and emerging themes are paid attention and the evidence base scrutinised, including: harm reduction; recovery; treatment within the criminal justice system; blood-borne viruses; mental health; and child protection. Overall there is a strong ethos of encouraging evidence-based practice.

Students will have the opportunity to rehearse intervention methods (in specific modules) and complete a placement in either a research setting or a practice/service setting. The placement may be carried out in the student's workplace based on principles of work-based learning. Throughout the programme of study, emphasis is placed on the importance of a multi-disciplinary approach to understanding and responding to alcohol and drug issues.

STUDY MODES

Students may opt to study full-time on campus. Part-time students may also study on campus or study online. All study modes are supported by the virtual learning environment, Blackboard. The modular programme is available in a distance/e-learning format and is supported by written learning materials.

COURSE CONTENT

Postgraduate Certificate

- Understanding Substance Use and Addiction
- Responding to Substance Use and Addiction
- Placement

Postgraduate Diploma

In addition to PG Certificate modules, students will cover:

- Research Methods
- Change and Intervention Methods or Research Philosophy
- Applied Theory Review

Campus

Paisley, Online/Distance learning

School

Social Sciences

Entry

Applicants should hold a relevant degree (any social science; medicine; law; social work). Applications will also be considered from those with three years' experience of working with alcohol and/or drug-related issues; plus a degree in any discipline other disciplines or an appropriate professional qualification. Such applicants will be required to complete written work in order to demonstrate their academic ability. Application may be made for entry based on recognition of prior learning (RPL) and credit transfer. Members of the medical professions have used this route to gain advanced standing and in due course access the MSc programme in Alcohol and Drug Studies. (Please also see page 196 for more details)

Intake

September

Duration

MSc (part-time)

12 months

(additional to PG Diploma)

Postgraduate Diploma

(full-time/part-time)

9 months/up to 36 months

Postgraduate Certificate

(part-time) 9–21 months

MSc

In addition to PG Diploma modules, students will cover:

- Research Project (equivalent to 3 modules)

Students will undertake independent research leading to a dissertation.

Students will research an area of their choice and be allocated a personal supervisor.

EMPLOYABILITY

UWS qualifications in alcohol and drug studies are sought after and a high proportion of full-time students gain employment soon after graduation. Many part-time and distance learning students are currently employed and use their qualification as a means to career enhancement and confirmation of a specialist role within, for example, social work, health/medicine or criminal justice. The opportunity to complete an assessed placement in a research or service setting underpins the employability focus of the programmes.

Contact

Alison Fitzpatrick

+44 (0)141 848 3788

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

Funding

Funding to cover full-time fees is available from SAAS under a quota award scheme. Many part-time and distance learning students seek funding support from their employers. Independent application may also be made to the Alcohol Education and Research Council for either full-time or part-time/ distance learning study routes: www.aerc.org.uk

SOCIAL SCIENCES

Career Guidance and Development

THE PROVISION OF CAREER EDUCATION AND GUIDANCE HAS BECOME INCREASINGLY COMPLEX IN THE LIGHT OF RAPID CHANGES IN THE LABOUR MARKET, EDUCATION AND TRAINING. CAREER PRACTITIONERS ARE EXPECTED TO PROVIDE ACCURATE AND UP-TO-DATE ADVICE ON EMPLOYMENT, EDUCATION AND TRAINING OPPORTUNITIES TO AN EVER-WIDENING CLIENT GROUP, FROM YOUNG PEOPLE MAKING THEIR FIRST CAREER DECISIONS AND STUDENTS IN TERTIARY EDUCATION, TO ADULTS AND THOSE FACING REDUNDANCY OR CAREER CHANGE.

Career practitioners are also increasingly being expected to offer extra support to people who are experiencing additional difficulties in entering or retaining employment, education and training. The Postgraduate Diploma combines periods of university-based study with a range of work-based learning. Placements are arranged in schools, colleges, social inclusion projects and training providers. In addition to these arrangements, students on the full-time programme undertake six weeks of placement (in October, November and March) in a guidance organisation, usually a Skills Development Scotland centre. Throughout the course there is a strong focus on practice-based learning, personal reflection and critical analysis of practice. The Masters option is designed to articulate with the Postgraduate Diploma to allow guidance

practitioners to undertake research and evaluation of their work as part of their ongoing professional development.

All of the modules in the programme are also available in e-learning mode, enabling candidates from throughout the UK to access the programme through the University's Virtual Learning Environment, Blackboard. This is a unique feature of the programme at UWS and develops a community of students who are full-time and distance learners and able to share a range of experiences with each other.

COURSE CONTENT **Certificate and Diploma**

The Certificate consists of three modules and the Diploma six. At these levels students will study a range of core topics including professional and reflective practice and the theories which underpin thinking on career

Campus

Paisley: e-learning

School

Social Sciences

Entry

The normal entrance requirement for the Postgraduate Certificate and Diploma is a degree or similar qualification. However, applications from candidates who do not possess these may also be considered. Such applicants may have completed a workplace qualification such as an S/NVQ in Advice and Guidance, and in all cases should be able to demonstrate appropriate knowledge, skills, experience and maturity, and satisfy the University that they have the potential to reach the academic standards required of a course at postgraduate level by holding at least an HNC in Social Sciences or an equivalent qualification. The University welcomes applications from a wide variety of backgrounds, including those groups which have been traditionally under-represented in the career guidance profession. Additionally, applicants for the part-time and e-learning Certificate and Diploma are expected to be employed for the whole duration of their course in a career or educational guidance context, or in an organisation whose main function is to give educational or careers guidance to adults. (Please also see page 196 for more details)

choice, career development and career decision-making. Other modules cover such areas as labour market intelligence and the policy context for the development and delivery of career education and guidance.

Modules include:

- Professional Practice 1
- Professional Practice 2
- Career-related Policy
- Career Development Theory
- Reflective Guidance Practice
- Labour Market Studies

MSc

Students wishing to continue their professional development have the opportunity to undertake up to two years of further part-time study towards a Masters award, the MSc. There are two routes, one focusing on research, which involves the completion of a dissertation, while the second route is based on taught modules in Advanced Professional Practice and Communities and Networks and Partnerships. Entry to the MSc is restricted to holders of the Postgraduate Diploma in Career Guidance or an equivalent qualification recognised by the Institute of Career Guidance.

PART-TIME AND E-LEARNING

Those who are employed in a career or educational guidance setting may wish to study for the Certificate, Diploma or MSc on a part-time or e-learning basis. The employing organisation

will be required to provide a mentor and an assessor (normally another employee with guidance experience) and allow time to attend placements, including a two-week placement in another guidance organisation in the second year of the programme.

CAREER PROSPECTS

Students undertaking the Diploma are qualified to work as career guidance practitioners in guidance settings in the public, private and voluntary sectors within the UK.

PROFESSIONAL RECOGNITION

The Postgraduate Diploma is professionally accredited by the Institute of Career Guidance. This professional qualification is based around completion of a portfolio of evidence to demonstrate how students have developed their knowledge and skills. It has a work-based focus, where much of the learning is achieved through a series of individual learning and assessment opportunities provided through placements.



Intake

September and February

Duration

MSc (e-learning)

up to 2 years

Diploma

(full-time/part-time/ e-learning)

1 year/2 years

Certificate

(part-time/e-learning)

up to 2 years

Contact

Graham Allan or Janet Moffett

+44 (0)141 848 3950/3792

or +44 (0)141 848 7044

uni-direct@uws.ac.uk

Funding

The full-time Diploma carries SAAS funding for eligible applicants which meets the full cost of fees. Contact Programme Leaders for details.

SOCIAL SCIENCES

Race Equality

THIS GRADUATE CERTIFICATE BUILDS UPON EXISTING EVENING TEACHING IN RACE EQUALITY, WHICH HAS BEEN OFFERED BY THE UNIVERSITY SINCE 1996, AND WHICH IS JOINTLY ORGANISED WITH THE WEST OF SCOTLAND RACE EQUALITY COUNCIL.

The course is delivered at Level 9 and is usually taught on Wednesday evenings at the Paisley Campus from 6.15–9pm (although external visits to community organisations, mosques and temples may also take place). Students can complete the course on a module by module basis, gradually building up to the award of the Graduate Certificate. The aims of the Certificate are to:

- develop a critical understanding of the concepts 'race', 'racism' and 'ethnicity'
- develop a working knowledge of the content and impact of race relations, equality and human rights legislation
- identify key elements of best practice towards race equality in employment and service delivery
- analyse and evaluate current progress and challenges in managing change towards race equality in the students' own workplaces

COURSE CONTENT

There are three modules. Two are entirely taught, involving a mix of class teaching and discussion. The third module involves some teaching of research skills, followed by individual project work, guided by a supervisor. The course involves the study of concepts of race, ethnicity and culture; race relations and equality legislation; the experiences of minority ethnic groups; refugees and asylum issues; migrant workers; networking with minority communities; racism and harassment; the promotion of equality; and current issues such as terrorism and the response to it, and Islamophobia.

Assessment in the first two modules is based on continuous assessment. The third module is assessed through the production of an individual project.

CAREER PROSPECTS

Individuals who undertake the course are usually already in employment, but the course would be appropriate for those wishing to expand their involvement in equality work.

Campus

Paisley

School

Social Sciences

Entry

The course is aimed at individuals with relevant workplace experience, either as employees or as volunteer workers, and who wish to gain a greater knowledge of race equality issues. Previous students have included teachers, councillors, procurator fiscals, staff from the prison and police services, from housing, health services and a variety of voluntary sector organisations, both mainstream and those offering dedicated services to black and minority service users. There are no formal entry requirements. (Please also see page 196 for more details)

Intake

September and February

Duration

Graduate Certificate comprising three modules. Each module takes one trimester to complete – minimum length of course is three trimesters.

Contact

Dr Duncan Sim
+44 (0)141 848 3719
 or +44 (0)141 848 7044
 uni-direct@uws.ac.uk



SPORT AND EXERCISE SCIENCE

GET AHEAD IN
THE EXCITING
AND EXPANDING
SPORT AND
LEISURE INDUSTRY.



SPORT AND EXERCISE SCIENCE

WE HAVE A WEALTH OF EXPERTISE IN DELIVERING SPORT TEACHING AND RESEARCH. THE UWS SPORT & EXERCISE GROUP FOCUSES ON SPORTS COACHING, EXERCISE AND HEALTH, SPORTS DEVELOPMENT, SPORTS THERAPY, CHILDRENS HEALTH, CARDIOVASCULAR DISEASE, HORMONAL CONTROL OF EXERCISE, IMMUNOLOGY, PERFORMANCE PHYSIOLOGY AND THE INTERPRETATION OF MUSCULAR FATIGUE.

The group have expertise in sociology, physiology, biomechanics, biochemistry, psychology, sports coaching, journalism, health, sports management and sports development. The staff are actively involved with team sports, individuals and governing bodies of sport. Many participate in PhD research programmes or individual research projects.

Whilst collaboration with Scottish and UK institutions is an essential element for the development of the group, there is a significant move towards the installation of laboratories that will promote a greater independence with regard to specific research design, analysis and independence. This development will also enhance our current collaborations, with athletic groups, in particular, the Scottish Rugby Union (SRU) and the Scottish Football Association (SFA) and will provide valuable information for athletes in relation to both the success of rehabilitation programmes, and the analysis of sophisticated strength and power training programme design.

We provide highly developed scientific support to these groups which can contribute to improvements in performance. A feature of the Sport & Exercise Group is the ability to provide comprehensive related biochemistry and training programme design to enhance these measures. This includes hormonal responses to performance, neurological, immunology, and markers of cardiac injury, muscle damage and oxidative stress. In addition, the group can enhance coaching performance to advanced levels and sports development.

Section contents

Sports Coaching **194**

NB Please be aware in order to secure a student visa, overseas students (Non-EU) will be required to study full-time.

HEALTH OF THE NATION RESEARCH

UK government guidelines suggest that we should exercise for thirty minutes, at a moderate pace, five times a week. Previous research conducted in our laboratory (and others) has indicated that the same, if not more beneficial results are obtainable by performing intermittent activities that are very high in intensity for just four minutes a day, five times a week. This type of research would have huge positive effects on obesity, cardiovascular disease and diabetes – diseases that are most prevalent in Scotland. For example, children's activity is very intermittent in nature, and in fact a recent paper has shown that children's play consists of activity periods, of high intensity performances lasting no more than nine seconds in one continuous period. This question is currently under investigation by research students at UWS to establish what the cardiovascular and health benefits are of this type of intermittent activity. Current experimentation includes blood lipid analysis, hormonal control, blood pressure, body fat measurements, dietary analysis, respiratory measures and lifestyle advice.

SPORT AND EXERCISE SCIENCE

Sports Coaching

THE MSc SPORTS COACHING IS AN INNOVATIVE COURSE DESIGNED TO MEET THE NEEDS OF STUDENTS WHO ARE INTERESTED IN THE OPTIMISATION OF COACHING PERFORMANCE IN SPORT. THIS UNIQUE PROGRAMME ENCOMPASSES A MULTIDISCIPLINARY APPROACH TO PERFORMANCE SPORT.

The course enables current practitioners to develop their conceptual and theoretical understanding in the field of Sports Coaching. Practical skills in a range of scientific disciplines will be further developed in order to enhance the coaching process. Students are required to critically reflect upon contemporary principles and practices in sports coaching. There is an emphasis on students becoming effective and reflective practitioners. A significant proportion of the programme is vocationally-focused and student-driven.

Designed to give you an in-depth and critical understanding of a wide range of theories and practices associated with sport and coaching, the programme allows you to critically analyse:

- the wider social, economic and political significance of sport and coaching
- sport and coaching as diverse experiential/experimental forms through which physically active bodies are organised, regulated and trained

- the psychological foundations of coaching and performance
- the practical and theoretical foundations of coaching

It is designed to provide the necessary theoretical and practical skills for those who wish to work with performers as a coach, strength and conditioner or in sport science support. In addition, it offers an avenue for elite performers to study their own performance and to develop the necessary skills to help their future performance, or prepare them for work opportunities after retirement from sport.

The curriculum will increase knowledge and apply understanding of sport science and/or coaching to develop experience of performance sport.

All course units are explicitly devised to address the optimisation of performance.

COURSE CONTENT

Modules include Coaching in a Performance Setting, Analysis of Performance, Strength and Conditioning and Psychology of Coaching.

Campus

Hamilton

School

Science

Entry

Minimum entry requirement 2:2 degree in a related sport/exercise science area. Individuals with professional related experience will also be considered. (Please also see page 196 for more details)

Intake

September

Duration

MSc 1 year

To obtain the MSc, students will usually take 9 months to gain the PgDip and then normally an additional 3 months of study to gain the MSc, from the date of commencement of the project.

Contact

Dr Fergal Grace

+ 44 (0)141 848 7044

uni-direct@uws.ac.uk

MSc

The dissertation is designed to provide an opportunity to undertake a substantial research project in an area of interest related to your course.

The research project will enable you to further develop issues, theories, models and skills addressed in the taught units. It is primarily an independent project supported by the advice of a faculty member.

TEACHING/LEARNING METHODS AND STRATEGIES

The structure and assessment strategies of the research methods units will ensure that you get a solid grounding in the approaches, techniques and methods required to successfully complete the dissertation.

In the taught part of the course, lectures will not normally exceed 50% of class contact time. The remainder of the time will consist of seminars, practical sessions, laboratory sessions, oral presentations, case studies and poster presentations. Laboratory based sessions involve observation, demonstration, and participation, problem-solving and reporting.

Other practical sessions will be field based providing necessary practical skills to successfully intervene in an athlete's physical development.

ASSESSMENT

Several methods of assessments will be used, including oral and poster presentations, coursework essays/

reviews, and end of unit examinations, laboratory reports, case studies and practical demonstrations.

CAREER PROSPECTS

Career opportunities in the sports field have expanded greatly in recent years. The professionalising of many sports through the Lottery process and increased governing body investment has opened up opportunities in many sports in terms of careers in the coaching, sport science support and strength and conditioning areas. Growth in Olympic sports has also opened up employment opportunities for graduates with the necessary higher qualifications and professional accreditation.

Employability is increased through opportunities to gain professional accreditation in your chosen field. Students are encouraged to gain accreditation with an appropriate organisation, such as the UK Strength and Conditioning Association, British Association of Sport Scientists or a relevant National Governing Body coaching award.

PROFESSIONAL ACCREDITATION

The course also provides the necessary foundation knowledge and skills for professional accreditation with a number of bodies including the British Association of Sport and Exercise Sciences (BASES), the United Kingdom Strength and Conditioning Association (UKSCA) or appropriate higher coaching awards (Level 3 or above).

APPLYING TO UWS

HOW TO APPLY

Applications for taught* and research programmes can be made online at www.uws.ac.uk/apply

For further programme information, or if you do not have access to a PC and require an application form, please contact University Direct on **+44 (0)141 848 7044**.

Students must provide two references as part of their application. References should be supplied by someone who knows you in an educational or work capacity. For further information about higher degrees by research (MPhil, PhD or MRes) contact Heather Lambie on **+44 (0)141 848 3576**. Details of research studentships (where applicable) can also be obtained by visiting the following website www.uws.ac.uk/research

Applications for PGDE Primary and Secondary can also be made online at www.uws.ac.uk/apply. The closing date for PGDE Primary applications is 15th December, however please note that there is not a formal deadline for PGDE Secondary applications although early application is advised.

**Please note: applications for LLB (pg 62), Adult Nursing with Registration (pg 128) and Mental Health Nursing with Registration (pg 128) should be made via UCAS – see individual course entries for details.*

ENTRANCE QUALIFICATIONS

Entrance qualifications are included in each programme entry. Where a degree is asked for, this refers to a degree from a UK institution or an equivalent qualification from an international University recognised by the National Recognition Information Centre for the UK. Qualifications will be checked upon receipt of your completed application form.

OVERSEAS APPLICANTS

Applicants resident overseas should visit the UK Border Agency website at www.homeoffice.gov.uk to find out more about studying in the UK and applying for a student visa. As the level of overseas tuition fees is substantial, prospective students should ascertain the approximate amount of these fees for the duration of their study, and the maintenance costs to cover books, accommodation and living expenses should also be considered. Information on this can usually be obtained from High Commission offices and government educational agencies in this country.

At registration, students paying overseas fees must settle 50% of tuition fees on enrolment with the remainder being due at the start of the second Trimester.

ACADEMIC TECHNOLOGY APPROVAL SCHEME

This Home Office scheme applies to some courses in specific areas, such as engineering, science and computing. Overseas students who apply for a particular programme may need to apply for an ATAS certificate – you will need to quote the course JACS code when applying. Contact us on **+44 (0)141 848 7044** or for more information on ATAS visit www.fco.gov.uk/atas

SCOTTISH BAPTIST COLLEGE

The Scottish Baptist College is located on Paisley Campus and its programmes are validated by the University. Courses on offer include the Degree of Bachelor of Divinity in Theology and Pastoral Studies, Graduate Diploma in Applied Theology through work-based learning and Graduate Diploma in Pastoral Studies.

The College is the primary denominational training facility for ministry in Scottish Baptist churches, but is increasingly attracting non-Baptists who are looking to train for full-time ministry, chaplaincy or RE teaching.

The College also offers a range of part-time courses, both on-site and in churches. For further information, please check www.scottishbaptistcollege.org, or give the College a call on **+44 (0)141 848 3988** or e-mail scottishbaptistcollege@uws.ac.uk

PROFESSIONAL AND CAREER DEVELOPMENT LOANS

Professional and Career Development Loans are bank loans that can be used to help pay for work-related learning. You can borrow between £300 and £10,000 to help support the cost of up to two years of learning (or three years if it includes one year's relevant unpaid practical work). The Young People's Learning Agency will pay the interest on the loan while you are learning and for one month afterwards. The loan can be used to pay course fees or other costs such as travel and living expenses. You can also use the loan to supplement other forms of support such as grants or bursaries. Because the Professional and Career Development Loan is a commercial loan product, they should only be considered as an option once all other student funding options have been investigated.

For more information visit www.direct.gov.uk/adultlearning or call **0800 585 505**. Our learning provider registration number is 3917.

FINANCE

POSTGRADUATE FEES

These figures are intended as a guide to standard tuition fees, and are subject to annual review. To confirm fee levels, contact the University Finance Office on **+44 (0)141 848 3196/3351/3190**, e-mail uni-direct@uws.ac.uk or visit our website

www.uws.ac.uk/tuition-fees

UK students and students from EU member states:

£3400 (full-time)
£1710 (part-time)

International students from outwith the EU:

Non lab-based £10000
Lab-based £10500

All students will be required to pay a £40 graduation registration fee before they graduate. Please note fees for post-experience programmes may differ from the figures detailed above. For further information visit www.uws.ac.uk/tuition-fees or contact the Finance Office on **+44(0)141 848 3196/3351/3190**.

NB: The figures quoted for University of the West of Scotland's overseas fees include all tuition, registration, and examination costs. There is a 10% fee discount offered to those non-EU students paying their full tuition fee prior to or on enrolment, provided this is within one week of formal classes commencing. Alternatively, if you wish, you can pay over 2 instalments with no discount. The first instalment is due at the time of your enrolment.

The second instalment is due at the start of your Trimester 2, but no later than the end of the week of formal classes commencing (please note that the 10% discount does not apply to those students paying over 2 instalments).

No discounts will be given in the event of late arrival for any courses or to students undertaking discounted courses.

STUDENT AWARDS AGENCY FOR SCOTLAND (SAAS)

The University receives a number of postgraduate Student Allowances from the Student Awards Agency for Scotland (SAAS) annually. These are allocated to eligible Scottish and EU candidates to cover the full-time Diploma elements of a range of the University's full-time MSc and Pg Diploma programmes.*

Certain part-time postgraduate courses may also be eligible for funding, please contact the University for further information. Please note that SAAS does not offer funding for higher degrees by research. (In addition to the limited number of studentships the University has to offer for higher degrees by research, funding may be available from Research Councils. Applicants are advised to investigate their source of funding at an early stage in the application process).

Students interested in gaining SAAS funding should make their course application to the University as early as possible. Funding availability may vary from one academic session to the next. Other UK students outwith Scotland should contact their local authority for funding information.

*Funding available for September intake only. Please note that there is a cut-off date for applications each year, usually in October – contact University Direct for more details.

At the time of writing, the Scottish Government is considering a range of ideas and options regarding funding in the Higher Education sector in Scotland including changes to postgraduate funding from the 2012–13 academic

year. For an update on these proposals contact SAAS on **0300 555 0505**.

(NB: Students are advised to contact SAAS for information on their eligibility on **0300 555 0505**. For further details on relevant programmes contact University Direct on **+44 (0)141 848 7044** outside UK).

Please see page 198 for details of Scotland's Saltire Scholarship or for details of other scholarship and incentive schemes available for international students visit www.uws.ac.uk/international/scholarships.asp

ACCOMMODATION BURSARIES FOR INTERNATIONAL STUDENTS

At present, the University has a number of International Student Accommodation Bursaries, to the value of £1000, that can be used as a contribution towards the cost of accommodation in the University's self-catering halls of residence. Students paying the full international student fee may apply for these bursaries. Details of the Bursary Scheme will be sent to international students once they have applied for a place at University of the West of Scotland. A 5% discount on the full year's accommodation fee, after deduction of any bursary is offered to international students staying in the University's residential accommodation. Eligibility conditions apply as follow:

- your accommodation fees for the term time must be paid in full prior to, or on enrolment, providing this is within one week of formal classes commencing
- the deduction of the £1,000 accommodation bursary is subject to receipt of the bursary application form

IMPORTANT NOTICE TO ALL APPLICANTS

University terms and conditions

SCOTLAND'S SALTIRE SCHOLARSHIP AWARD

Amount:

The scholarship amount is for £2,000 and can be awarded for one year of study.

Eligibility:

The scholarship opportunity is open to Canadian, Chinese, Indian and US nationals and is aimed at encouraging bright, talented and hard working individuals to live, work and study in Scotland. You must be able to demonstrate that you can meet the cost of living and the cost of the remaining tuition fees.

Details of award:

The scholarships are designed to support the promotion of Scotland as a learning and science nation, and are therefore, targeted at the priority sectors of:

- Creative industries
- Life sciences
- Technology
- Financial services
- Renewable and clean energy

This includes a wide range of subjects across all of Scotland's universities and higher education institutions.

Application procedure:

You must first apply to University of the West of Scotland and then to the scholarship programme. The scholarship offer will be subject to obtaining a confirmed offer of admission from a Scottish university. For an application form please visit the website below.

Further information:

Please visit the scholarship section of the following website:

www.talentscotland.com/students/study.aspx

For details of other scholarship and incentive schemes that may be available for international students please visit www.uws.ac.uk

ENGLISH LANGUAGE REQUIREMENTS

It is essential you have a good command of written and spoken English if you wish to succeed in your studies. As a rough guide, an IELTS score of 6 or above (5.5 in each component) is acceptable as evidence of proficiency in English. A list of English language requirements accepted by UWS is detailed in the table below.

Tests should normally be taken no more than two years before admissions date. In addition to satisfying UWS requirements, students applying for a Tier 4 visa to study in the UK must also comply with the guidelines set by the UK Border Agency. Further information on approved English language tests is available at www.ukba.homeoffice.gov.uk/sitecontent/applicationforms/new-approved-english-tests.pdf

ENGLISH LANGUAGE REQUIREMENTS

Qualification	Minimum requirements
International English Language Testing System (IELTS) Academic	Average score of 6, and for each component 5.5
Cambridge ESOL Certificate in Advanced English (CAE)	Grade C
Cambridge ESOL Certificate of Proficiency in English (CPE)	Grade C
Test of English as a Foreign Language – Internet based test (TOEFL IBT)	80
Pearson Test of English Academic (PTE Academic)	51

Students who do not meet UWS English language requirements may wish to consider undertaking the University's English Language Foundation course, designed to improve ability to understand and use English for general communication and for academic study. The course normally lasts one academic year (from September to May) plus attendance at one of the University's summer pre-session English courses. Students are required to have a level of English equivalent to IELTS 4.5 to start the course, with no less than 4 in each component.

*UWS entry requirements conform to the UK Border Agency list of accepted English language test providers. These requirements are subject to University review and up-dates can be viewed at www.uws.ac.uk/international/english-language.asp

All students will be required, as a condition of enrolment, to abide by, and submit to, the procedures of the University's Regulations as amended from time to time. A copy of the current regulations, including the disciplinary regulations, can be consulted in the University Library and is available at www.uws.ac.uk/schoolsdepts/QEU/academic-office/regulations-policies.asp or on request from the Court & Senate Office, University of the West of Scotland, Paisley Campus, PA1 2BE, Scotland.

The University will use all reasonable endeavours to deliver programmes in accordance with the descriptions as set out in the prospectus. In exceptional circumstances, for example due to severe weather, industrial action, construction works, regulatory/compliance matters or other circumstances beyond the University's control which may impact on the University's ability to deliver normal services, while every effort will be made to put in place contingency arrangements to minimise disruption to students this may not always be avoidable.

The University intends to offer the range of provision outlined in the University prospectus but as this is produced up to a year before our programmes are offered there may need to be changes from time to time.

The University therefore:

- reserves the right to make variations to the contents or methods of delivery of programmes including campus location, to discontinue modules and programmes and to merge and combine programmes, if such action is reasonably considered to be necessary by the University. If the University discontinues any programme on which students are

already enrolled, it will use its reasonable endeavours to provide a suitable alternative programme. If it makes major changes to any programme on which students are already enrolled it will advise the students as soon as the University believes it is in a position to usefully do so and provide full academic guidance.

- reserves the right to make amendments to its Regulatory Framework which govern its academic awards with the aim of maintaining high standards and with the student experience in mind. The University publishes its Regulations with a summary of all changes each year. Students will be bound by the regulations currently approved by Senate for implementation during the session in which the student is enrolled. By enrolling on an annual basis students confirm their acceptance of the University Regulations.
- cannot accept any responsibility, and expressly excludes liability, for damage to students' property and transfer of computer viruses to students' equipment.

In line with the University Tuition Fee Management Policy and Procedure, (www.uws.ac.uk/schoolsdepts/finance/students/debt_policy.asp) students may not be able to participate in a graduation ceremony if they remain in debt to the University.

The University collects and processes information about its applicants, potential applicants and students for academic, administrative, management, pastoral and health and safety reasons and some of this information may constitute sensitive personal data in terms of the

Data Protection Act 1998. Agreement to this is necessary by all enrolled applicants and students and the information will be processed in accordance with the University's Notification with the Information Commissioner under the Data Protection Act 1998, and is disclosed to third parties only with the student's consent, or to meet a statutory obligation or in accordance with the said Notification.

The University is committed to reducing the environmental impact of its activities and, working with applicants, students and staff, it will strive to create an even more environmentally friendly ethos.

→

Your rights and responsibilities

YOUR RIGHTS

- to have access to current and accurate information on the following:
 - your modules and programmes of study
 - student representation on University Committees
 - where relevant, arrangements for industrial placement on course/ programme of study
 - University Regulations
 - University Complaints Procedure
 - University Single Equality Scheme
 - University facilities
- to be provided with teaching and learning programmes in accordance with published programme specifications and module descriptors
- to be informed of the nature, method and scheduling of assessments to be completed during the programme of study
- to be assessed and re-assessed in accordance with the appropriate programme and University regulations
- to have access to the University's information, advice and guidance services
- to have enquiries dealt with courteously and promptly
- to have formal complaints and appeals processed through fair and efficient complaints and appeals procedures
- to have the opportunity to provide feedback and express views on the standard and operation of programmes and teaching throughout the University

YOUR RESPONSIBILITIES

Each student of the University has the following responsibilities:

- to take your studies seriously, use the Library and other education support facilities, seek advice from your tutors where appropriate,

- and to notify your tutors of any difficulties you may be experiencing
- to attend, unless with good reason for absence, in line with the University's Student Engagement Policy, all taught elements of the programme of study and all assessments for the programme of study
- to submit all coursework and assessments by the specified deadline
- to provide medical certification or other documentation relating to any period of absence from the programme of study, in line with the University's Student Engagement Policy
- to be familiar with and abide by the University Regulations
- to contribute to the University's continuing monitoring procedures by providing feedback when requested on the standard and operation of programmes and teaching throughout the University
- to pay fees (or arrange for them to be paid) promptly as required by the University
- all University staff and students deserve to be treated with respect. Students should display good conduct and respect for all members of the University community and also show respect for University property and equipment
- to maintain the good name of the University when outside its precincts
- to act in accordance with relevant University policies as they apply to students. These are referenced in student handbooks and on our website

THE DATA PROTECTION ACT

University of the West of Scotland is registered as a data user with the Office of the Information Commissioner. The University holds data relating to its students for the purposes of maintaining the student record (including personal and academic details) and management of academic processes (for example, academic audits, examination boards and awarding of degrees). The University also discloses student information to a variety of recipients including employees and agents (including University-appointed debt recovery companies) of the University, the University's Students' Association, partner institutions of the University, current or potential employers, providers of education and relevant government departments to whom it has a statutory obligation to release information. The University undertakes to maintain student data in secure conditions and to process and disclose data only within the terms of its Data Protection notification. Under the Data Protection Act 1998 students have a right to access current personal information held by the University and a right to object to data processing that causes damage and distress.

For details of these procedures please contact the University Data Protection Officer, University of the West of Scotland, Paisley Campus, Paisley PA1 2BE, Scotland, tel **+44 (0)141 848 3699**, or visit our website.

COMPLAINTS PROCEDURE

The University is committed to providing high-quality services for its students. However, it recognises that students, applicants, or members of the public may have legitimate complaints about the services or facilities provided by the University. Therefore the University has a Complaints Procedure which should be used in these instances. The remit of the Scottish Public Services Ombudsman includes University of the West of Scotland, and complaints that are not satisfactorily resolved may be referred to the Ombudsman. Normally this should be with 12 months of an issue arising. Further information about the role of the Ombudsman is available from www.scottishombudsman.org.uk

AN INCLUSIVE INSTITUTION

The University has a tradition of widening access to Higher Education from all sectors of the community and in attracting students from under represented socio-economic backgrounds. We aim to build on this reputation as an inclusive institution and ensure that our commitment extends to applicants and students, regardless of their background, culture or other protected equality characteristic. As a student at any of our campuses, you will find that staff will work to promote understanding and integration between people from different backgrounds and beliefs and will not tolerate any exclusion, bullying, harassment or victimisation of students.

We will tackle discrimination and prejudice where they are found to exist and tackle the systems, behaviour and attitudes that cause them or sustain them. Students have individual responsibility to abide by the University's commitment to eliminate discrimination. We all have a part to play by treating

each other fairly, with dignity and respect and individuals should challenge any inappropriate behaviour and report any bullying or harassment.

INTERNATIONAL STUDENTS

We welcome international students from all over the world each year, many through institutional partners in China, partnership working in India or through student exchange agreements with institutions in the US and across Europe. For more information visit our website or contact University Direct, tel **+44 (0)141 848 7044** or e-mail uni-direct@uws.ac.uk

STUDENTS WITH DISABILITIES

Applicants who have disabilities are considered on the same academic grounds as all other applicants. Applicants are advised to discuss their support requirements with the appropriate course contact, listed for each course entry in this prospectus.

Applicants are also strongly advised to contact staff for information and advice about the support, facilities, and resources available. It is important that the University is notified of students' disabilities in advance, to enable individual support mechanisms to be put in place prior to commencement of studies. Contact our staff on **+44 (0)141 848 3518** (Ayr, Dumfries and Paisley), or **+44 (0)1698 894448** (Hamilton).

SMOKE-FREE POLICY

The University operates a smoke-free policy at Ayr, Hamilton and Paisley campuses. In Dumfries, because the campus does not belong to UWS, the policy cannot apply in the same way. However, the University strongly advocates maintaining a smoke-free environment at Dumfries Campus. Visit www.uws.ac.uk/smokefree for more details.

INDEX

A		E		L		Q	
Academic Technology Approval Scheme (ATAS)	196	Education – CPD options	104	Law (Grad Cert)	60	Quality Management	176
Accommodation	24	Education – Primary	108	Law (LLB)*	62		
Accounting and Finance	40	Education – Secondary	110	Lifelong Learning Academy	8	R	
Acute and Critical Care	126	EMBA	44	Logistics and Supply Chain Management	64	Race Equality	188
Adult Nursing with Registration	128	English Language Requirements	198			Research	26
Advanced Biomedical Science*	164	Enterprise Software Systems*	80	M		Research Methods for Business, Cultural and Social Sciences	70
Advanced Computer Systems Development	78	Environmental and Clean Technology	170	Management and New Technology	66	Researchers	
Advanced Clinical Practice	154			Maternal and Child Health	134		
Advanced Non-medical Prescribing	156	F		Maternal and Child Health in Advanced Neonatal Practice	136	S	
Alcohol and Drug Studies Applications	196	Fees	197	Maternal and Child Health in AdvancedPaediatric Practice	136	Scholarships	12, 28, 198
Ayr Campus	14			MBA	68	Scottish Baptist College	196
		H		Mental Health Nursing with Registration	128	Sensor Design	118
B		Hamilton Campus	18	Multimedia and Web Authoring	84	Sexual and Reproductive Health	148
Biotechnology	166	Health Studies	132	Music Innovation & Entrepreneurship	96	Songwriting and Performance*	98
British Council	30	Health Studies (BSc)	158			Sports Coaching	194
Broadcast Journalism	92	HOST	35	N		Study in Scotland	32
		Human Resource Management	46	Nursing	138	Support	10
		I				T	
C		Information Technology	82	O		Terms and Conditions	199
Cancer Care	157	International Financial Management	48	Occupational Health Nursing	140		
Cancer and Palliative Care	130	International Hospitality Management	50	Occupational Safety and Health	172	U	
Career Guidance and Development	186	International Human Resource Management	52	Orthopaedic Care	142	UKCISA	34
Child Protection	157	International Operations Management	54			Unscheduled Care	150
Cognitive Behaviour Therapy	124	International Management	56	P			
Computer-Aided Engineering	116	International Marketing Management	58	Paisley Campus	20	V	
Creative Media Practice	94	International Student Advisers	34	Palliative Care	159	Vulnerability	152
		IT Academy	75, 83	Project Management	174		
D				Psychosocial Interventions	144	W	
Data Protection	200			Public Health Nursing and District options	146	Waste Management with Environmental Management	178
Drug Design and Discovery	168						
Dumfries Campus	16						

*subject to University approval

FURTHER INFORMATION

CAMPUSES

AYR CAMPUS

University Avenue, Ayr
KA8 0SX Scotland
Tel +44 (0)1292 886000

DUMFRIES CAMPUS

Dudgeon House, Dumfries
DG1 4ZN Scotland
Tel +44 (0)1387 702100

HAMILTON CAMPUS

Almada Street, Hamilton
ML3 0JB Scotland
Tel +44 (0)1698 283100

PAISLEY CAMPUS

Paisley
PA1 2BE Scotland
Tel +44 (0)141 848 3000

Contact us

University Direct
+44 (0)141 848 7044
(+44 (0)141 848 7044
outwith UK)
uni-direct@uws.ac.uk
www.uws.ac.uk

NB Please note information in this prospectus is correct at time of print but may be subject to change at a later date. This prospectus is available electronically and in other formats if required.

University of the West of Scotland is a registered Scottish charity. Charity number SC002520.



**WORLD
LAND
TRUST™**

www.carbonbalancedpaper.com
CBP0004602303115853



Mixed Sources
Product group from well managed forests, controlled sources and recycled wood or fibre
www.fsc.org Cert no. COK-COC-1047
© 1996 Forest Stewardship Council