

POSTGRADUATE PROSPECTUS 2019



PRIFYSGOL
BANGOR
UNIVERSITY

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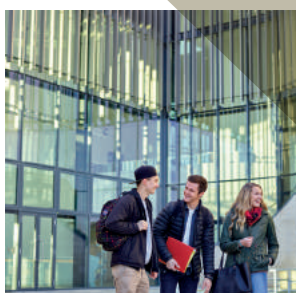
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POSTGRADUATE COURSES FAIR

www.bangor.ac.uk/pgfair

If you find it difficult to read the size of print in this guide, please look at our website **bangor.ac.uk** for details of our courses and facilities.



Bangor is a genuinely caring and supportive university community, and we take great pride in the first class services we offer our students. These include academic, financial, career and personal advice support. The quality of our teaching and research is world class, attracting students and staff from around the globe. In addition, there are numerous opportunities for students to get involved in a wide variety of activities. The stunning mountains of Snowdonia and miles of coastline provide the backdrop to a university experience which cannot be matched."

Prof John G. Hughes
Vice-Chancellor, Bangor University

INTRODUCTION

Established in 1884, Bangor University has a long tradition of excellence and exceeds expectations, both for academic standards and student experience. Bangor University today is a thriving, forward-looking institution offering excellent postgraduate opportunities in both taught courses and research degrees.

Our research transforms the lives of millions of people around the world and in many different ways. This impact ranges from the food we eat and the environment we live in, through health and well being to improving of the economy and the law of the land. All of this success shows that Bangor University is a **world-leading research power** based in Wales that is making the world a better place.

We enjoy an **excellent track record for research and teaching quality**. The most recent Research Excellence Framework (REF 2014) recognised that more than three-quarters of Bangor's research is either **world-leading or internationally excellent**. Based on the University submission of 14 Units of Assessment, 77% of the research was rated in the top two tiers of research quality, ahead of the average for all UK universities.

Our reputation as a world-leading research university is underlined by the fact that the REF results ranked Bangor University amongst the **top 40 universities in the UK**. The research carried out in over half of our academic schools was ranked in the Top 20 in the UK.

It is clear that the excellent research carried out by Bangor University academics is having a major economic impact on the lives of people around the world. This will come as no surprise to those who are familiar with us: Bangor University, established in north Wales in 1884 by the community to serve the needs of future generations, continues to transform lives one hundred and thirty years on from its foundation.

Coupled with the high calibre of research activity, students on taught postgraduate courses can enjoy teaching of a high standard delivered by true experts in their field.

In the 2017 Government-run Teaching Excellence Framework (TEF), Bangor University achieved the highest rating possible - the Gold Award for 'outstanding teaching'. Amongst the areas highlighted in TEF as particular strengths at Bangor were the ways we engage with our students, the personalised support we offer to students, and our enhancement of students' employability.

Bangor University is recognised regionally, nationally and internationally as a **centre of excellence for a varied portfolio of academic programmes** and for the high quality of the experience it provides for its students and staff. We have a range of national and international partnerships with a number of other universities which provide an opportunity to work collaboratively, as well as for joint working, research and study.

The world leading research carried out at Bangor University, together with our high student satisfaction and major investment in the campus makes this a unique and very attractive place to study.

THE ADVENTURE STARTS HERE

- Founded in 1884, Bangor University has a long tradition of academic excellence, which continues to this day. This is supported by **recent major endorsements** of both the quality of teaching and the research carried out here.
- Bangor University achieved the highest rating possible - **the Gold Award for 'outstanding teaching'** - in the government run Teaching Excellence Framework (TEF 2017). Amongst the areas highlighted in TEF as particular strengths at Bangor were the ways we engage with our students, the personalised support we offer to students, and our enhancement of students' employability.
- Bangor University's **world-leading research** was recognised in the Research Excellence Framework (REF), the national assessment of research quality. Bangor University is ranked amongst the top 40 in the UK** for research quality, with the research carried out in over half of our academic schools rated in the top 20 in the UK.
- Bangor University has a **varied portfolio of postgraduate programmes** and we have a range of national and international partnerships with a number of other universities which provide an opportunity to work collaboratively.
- The 2018 National Student Survey (NSS) results placed Bangor University in the **top 10 in the UK for student satisfaction***.
- **An on-going investment in facilities and support services** is further enhancing the Bangor student experience. Recent developments include the Pontio Arts and Innovation Centre, new halls of residence, and improved sports facilities.

* excluding specialist institutions



AN EXCELLENT EXPERIENCE AWAITS YOU

There are lots of reasons to fall in love with Bangor, besides the excellent teaching and world-class research. Relax on beautiful beaches, explore stunning mountain trails, or enjoy taking part in some of the student activities on offer.

GOLD
FOR TEACHING
EXCELLENCE

TEF Gold

THE UNIVERSITY

- We place a high priority on student experience. The low cost of living, the student support and stunning location all contribute to this.
- We offer a range of student support services and programmes to help you make the most of your time at university. We can also prepare you for your future through our employability and enterprise services.
- Recognised in several student surveys as one of the best places in the UK to be a student.
- Bangor University has over 200 Clubs and Societies and student membership is free. Our Clubs and Societies have been rated the best in the UK (WhatUni? Student Choice Awards 2018).
- The University's Pontio Arts and Innovation centre offers an exciting arts and entertainment programme. In addition to providing a base for the Students' Union, the centre houses a theatre, studio theatre, cinema, lecture theatres, restaurants, bar and cafe.
- Academi, the official student nightclub, provides a focus for the night-time entertainment and general socialising. Bar Uno, situated at the Ffriddoedd student village also offers events such as sports nights, club and society socials and entertainment.

BANGOR & THE AREA

- A scenic and sporty location, close to the mountains and the sea.
- Bangor is a small, student-centered city. That means it's easy to get to know people, and our students settle in quickly.
- A high proportion of our students are attracted here by the small and friendly nature of the University and the town.
- Nearby are the historical towns of Beaumaris, Conwy and Caernarfon (all with their own castles) and scenic villages like Llanberis, Beddgelert and Betws y Coed. The beaches on the island of Anglesey are also popular spots for sunbathing and swimming.
- It's easier to get here than you might think – there are excellent road links along the north Wales coast from the motorway network, and direct trains from many major rail stations.

ACCOMMODATION

- Our halls are rated the best university accommodation in the UK (WhatUni? Student Choice Awards 2018).
- Standard, en-suite and studio accommodation is available.
- Accommodation is within walking distance of University buildings and the city centre.
- Our Halls have Senior Wardens and a large team of Wardens as well as security staff on-call 24 hours a day.

WANT TO KNOW MORE?

www.bangor.ac.uk/accommodation
www.bangor.ac.uk/housing
www.bangor.ac.uk/location
www.bangor.ac.uk/su

WE'RE CLOSER THAN YOU THINK

Bangor University isn't just beautifully situated, it's conveniently located too. There are good road links to Bangor along the north Wales coast from the M56 and M6, and direct trains from London, Manchester, Crewe and Cardiff. The ferry service from nearby Holyhead to Ireland is also fast and frequent.

"What I like about Bangor is how close everything is together and it's all within a 10 minute walk. There's a good amount of supermarkets and high street stores and there are also so many amazing cafes."

MEGAN BRADLEY

From Cheshire, studying Accounting & Economics

ESTIMATED JOURNEY TIMES TO BANGOR

From Liverpool
Approx 1.5hrs

From Manchester
Approx 2hrs

From Birmingham
Approx 3hrs

From London
Approx 3.5 hrs
(direct train)



A WORLD-LEADING RESEARCH UNIVERSITY

TOP 40 IN THE UK FOR RESEARCH

- Research is central to Bangor University; it is an integral part of our teaching and a passion of our academic staff.
- Almost all research academics teach, ensuring that our students benefit from the knowledge created by our research.
- The 2014 Research Excellence Framework (REF) recognised that more than three quarters of Bangor's research is either "world-leading" or "internationally excellent". The results of the REF ranked Bangor in the top 40 UK universities for research*.
- Research in Sports Science; Modern Languages; Welsh; Education; Linguistics; Social Sciences; Ocean Sciences; Biological Sciences; Environment, Natural Resources and Geography; Psychology; Healthcare Sciences and Medical Sciences have all been ranked in the top 20 in the UK.
- Our research transforms the lives of millions of people around the world and in many different ways. This impact ranges from the food we eat and the environment we live in, through health and well-being to improving of the economy and the law of the land.
- The University provides strong support for research activities including encouraging links with commercial and industrial bodies in the UK and overseas.

CASE STUDY: ADAPTING TO LIFE IN THIN AIR

Every breath taken at high altitude contains less oxygen – known as hypoxia. Hypoxia places a considerable strain on the lungs, blood, heart and blood vessels as they work together to satisfy the body's need for oxygen.

Researchers from the School of Sport, Health and Exercise (Extremes Research Group) have a particular interest in understanding how humans adapt to life in thin air.

PhD student Lydia Simpson travelled to Cerro de Pasco, a city in the Peruvian Andes as part of an international high altitude research expedition, Global REACH (Research into Altitude Chronic Health). The expedition was organized by the University of British Columbia (in Canada) and along with more than 40 researchers from Wales, Peru, Austria, Canada, the United States and New Zealand, Lydia investigated how being born at high altitude gives individuals some degree of natural adaptation to cope with the stress of hypoxia.

"The ethnic community of the Himalayas are considered 'kings of the mountains' and are known for their superior ability to cope with low oxygen levels" explains Lydia. "It is important to compare these genetically and geographically distinct high altitude populations to identify the adaptations that enable individuals to thrive best in thin air."

This expedition, part funded by a Santander Mobility Award, an Expedition Grant from the Gilchrist Educational Trust, and the Physiological Society, adds to previous research conducted in Nepal (October 2016), where the team studied Sherpa people, native to the Kumbu valley of Nepal (5050m above sea level).

CASE STUDY: SOLVING THE CHOCOLATE CRISIS

Crop failure, disease and ageing plantations have led to a shortfall in the supply and an increase in the price of cocoa butter. As a result the chocolate industry is keen to find a high-quality alternative, as the demand for cocoa is predicted to rise by 30% by 2020.

A recent Bangor University study published in Scientific Reports explored the potential of a wild mango (*Mangifera sylvatica* Roxb.), an underutilised fruit species of south-east Asia, to provide an alternative source of butter for the industry. Analyses showed that wild mango butter has a very similar chemical, physical and thermal profile to cocoa butter, which indicates it has the potential to become a cocoa butter improver.

Wild mango butter has a higher moisture content than cocoa butter, and there is a growing body of evidence that higher moisture content butters produce low fat chocolate.

Postgraduate student and senior author, Sayma Akhter said: "The identification of real added value as we have shown in this study, could pluck the wild mango from obscurity into mainstream production.

With the support of government and non-governmental organisations, small scale industries could be set up to create a new income source for local people."

WANT TO KNOW MORE?

www.bangor.ac.uk/researchnews
www.bangor.ac.uk/ref2014

* excluding specialist institutions & single-submission universities

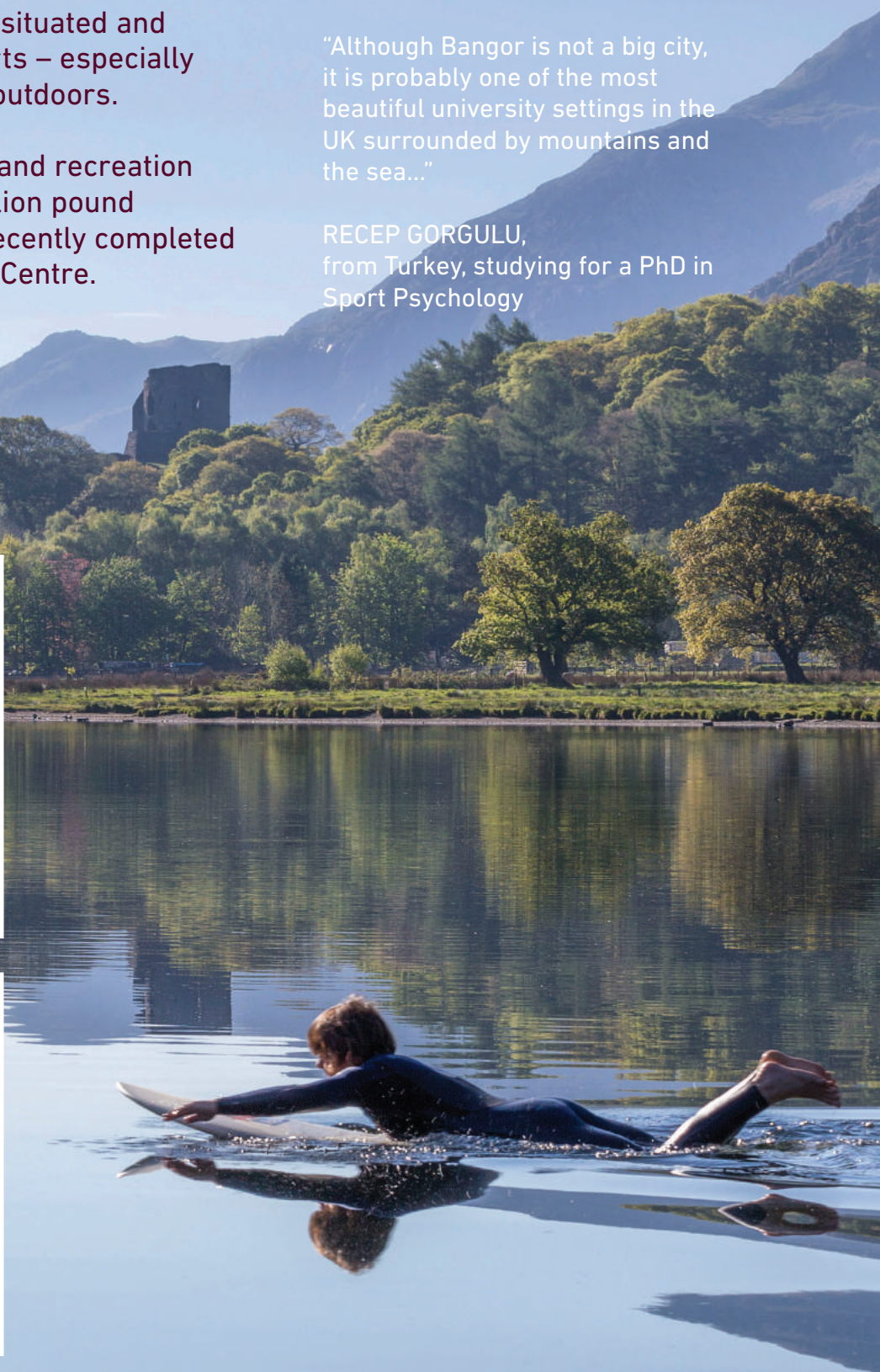
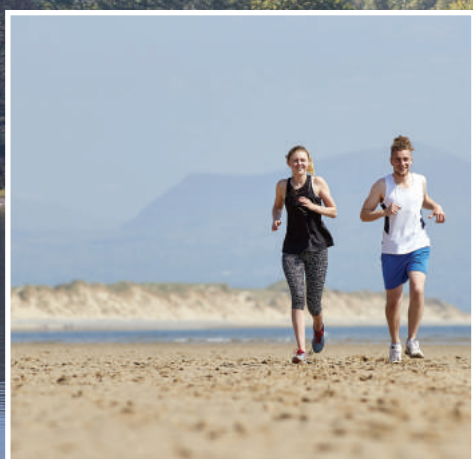
FIT FOR LIFE

Bangor University is well-situated and well-equipped for all sports – especially those involving the great outdoors.

We have excellent sports and recreation facilities, with a multi-million pound investment programme recently completed at the University's Sports Centre.

"Although Bangor is not a big city, it is probably one of the most beautiful university settings in the UK surrounded by mountains and the sea..."

RECEP GORGULU,
from Turkey, studying for a PhD in
Sport Psychology



HELPING YOU BE THE BEST YOU CAN BE

"Our University is not only a place for students to learn but also to enrich their life experience..."

CHANJING LIU,
from China studying for a
PhD in Translation Studies

- **Student Services** offers advice and assistance including: a counselling service; mental health advisers; health care via daily surgeries with a GP; a dedicated student health nurse; Money Support Officer; Housing Office, and peer support.
- Help offered by the **Disability Service** includes: advice on strategies to make studying and everyday tasks more manageable; Personal Learning Support Plans; specific examination adjustments; help with applying for Disabled Students Allowances (DSAs); provision of learner support workers and BSL interpretation.
- Bangor's pioneering **Dyslexia Service** is internationally known for its expertise in supporting students.
- A team of advisers for **international students** who offer assistance and advice on a range of matters.
- The **Study Skills Centre** provides advice on all aspects of study including: planning and writing dissertations, oral presentations and mathematics, statistics and numeracy.
- **A range of personal and career development programmes** to help you start planning your future career. You can gain transferable skills and experience through work placements, volunteering opportunities and the development of enterprise skills and entrepreneurship, as well as the sector-leading Bangor Employability Award.
- **Library and Archives Services** provide a range of attractive study environments, with flexible spaces to suit all learning and research needs including collaborative work areas, meeting rooms and silent study spaces. We house one of the largest university based archives in the UK.
- **Information Technology Services** offer a wide range of facilities and services including wireless and high speed network access on campus and in all Halls of Residence and remote access to IT when off-campus.
- The **Students' Union** offers support including: academic representation; feedback and advocacy on behalf of students; a confidential listening service, Nightline; a course representative scheme.
- The **Postgraduate Society** is the official representation of postgraduate students at Bangor. The Society provides extra and co-curricular activities for all postgraduate students.
- The **Peer Guide scheme** and the **Personal Tutor system** means there is always another student or an academic member of staff you can turn to.
- **MyBangor** gives online access to information and services to support you whilst at University where you can: see your timetable online; check which modules you are studying, your marks and feedback on modules.
- The **Doctoral School** provides an annual programme of training and development to equip postgraduate research students with the broad portfolio of skills needed during all stages of their Doctorate and to develop the skills increasingly demanded by employers.
- The Doctoral School's **Training and Development Programme** includes sessions on topics such as: literature searching, referencing tools, research data management, how to be an effective researcher, getting published and tracking citations, intellectual property.
- The **Knowledge Economy Skills Scholarship (KESS)** offers the opportunity to undertake a collaborative PhD or a Masters by Research working with a locally based company, giving highly valued industry experience.
- The **PGCertHE Programme** is offered to anyone who wishes to develop their knowledge and skills in the areas of teaching, learning and assessment, including postgraduate students.



WANT TO KNOW MORE?

www.bangor.ac.uk/brailsford
www.bangor.ac.uk/doctoral-school
www.bangor.ac.uk/itservices
www.bangor.ac.uk/library
www.bangor.ac.uk/studentsservices
www.bangor.ac.uk/studyskills

PREPARE FOR YOUR FUTURE

- The Careers and Employability Service can help you develop your employability and provide a variety of services including: careers guidance; work experience opportunities; finding volunteering opportunities, term-time holiday and graduate jobs; developing enterprise and entrepreneurial skills.
- B-Enterprising offers a range of different learning opportunities to enable you to gain commercial awareness and other enterprise skills, and provide practical opportunities for you to engage through experiential workshops, competitions and events.
- The University has a dedicated student employment service to help you find local part-time work, graduate vacancies, work experience and volunteering opportunities.
- The Bangor Employability Award (BEA) scheme offers a career management and skills development programme, whilst accrediting extra- and co-curricular activities that may not be formally recognised within the academic curriculum. The BEA Master and BEA Researcher programmes are tailored to suit the needs of postgraduate students.
- The Doctoral School provides an annual programme of training and development to equip postgraduate research students with the broad portfolio of skills needed during all stages of their Doctorate and to develop the skills increasingly demanded by employers.
- Students following a PhD or a Masters by Research can apply for a KESS Scholarship giving the opportunity to work with a locally based company on a collaborative project. This gives our research students highly valued industry experience.
- The PGCertHE Programme is offered to anyone who wishes to develop their knowledge and skills in the areas of teaching, learning and assessment, including postgraduate students.

CASE STUDY

Patrick Burn was supported by the KESS project while completing his Masters by Research in Electronic Engineering at Bangor University. The collaborative project saw Patrick working with Creo Medical on a project titled 'Medical Microwave Therapeutic Application Design'. Since completing his Masters by Research, Patrick has been employed by the company and continues to work on Research and Development projects.

“KESS is a great opportunity to gain valuable work experience, while completing a focused and applied project. The scholarship allows you to fully focus on the degree with less financial restrictions and concerns. The scheme is well organized and has a large support network to help all students complete their postgraduate degree. KESS is an opportunity that should not be missed. The skills developed and work experience gained will help you access the career you want.”

Patrick Burn
Studying Electronic Engineering

WANT TO KNOW MORE?

www.bangor.ac.uk/b-enterprising
www.bangor.ac.uk/celt
www.bangor.ac.uk/careers

"Together with my Master's degree, completing the BEA Master presents me as an individual who is both academically capable and employable. It supports my CV, demonstrating that I have well-developed skills, desirable and essential to future employment. It is a relaxed programme, enabling you to complete it as and when you are free to do so."

Louise Brown

Studying at the School of Psychology

INFORMATION FOR INTERNATIONAL STUDENTS

- Bangor University achieved a Gold Award for 'outstanding teaching' in the Teaching Excellence Framework (TEF).
- Many courses are accredited by professional bodies of global repute, such as IBMS, ACCA, CIMA, CIM, RSC, BCS, BPS, IET, ICF, SRA, BSB, and NMC.
- Top in the UK for accommodation (WhatUni? Awards 2018).
- Top in the UK for Clubs and Societies (WhatUni? Awards 2018).
- Accommodation is guaranteed for new international students (who apply before July 31st).



Bangor Business School is highly ranked and there are very few universities which offer a January intake. The overall ratings of the university were also good, it was recognised for its accommodation, student satisfaction, clubs and societies and the facilities you get here are amazing."

ANKITA GOYAL

From India, studying for an MBA in Finance

"I found a high level education that stems from the efficiency of the teachers and their excellent interaction with the students. Bangor City for me is very distinctive, its surroundings, fresh air, and it has easy access to the countryside and the sea."

MARDHI SAAD S ALENAZY

From Saudi Arabia, studying History and Heritage

INTERNATIONAL FEES & SCHOLARSHIPS

- Tuition fees for international students are listed on the website (see below).
- International Scholarships of up to £4,000 are available. We also offer scholarships in partnership with external agencies like Chevening, Commonwealth Office, China Research Council, and others. For details please see the link below.

INTERNATIONAL STUDENT SUPPORT

- Students from over 120 countries worldwide choose to study at Bangor every year. Amongst these countries, we have students from Arabia, Cameroon, China, India, Nigeria, USA, Ghana, Kuwait, Saudi, Turkey and Pakistan and numerous European countries.
- During your **first weeks of arrival at Bangor**, the International Student Support Service arranges a range of **activities which introduce you to life at the University** and in a new country. It will give you the opportunity to meet other students and to make friends – with those from your home country and from all over the world.
- Bangor University offers an **airport meet and greet service** available to students arriving at Manchester International Airport on selected dates. Simply register online and we'll meet you at the airport and take you to your accommodation.
- While you're here, the **International Student Support Office** offers advice and assistance on matters such as: NHS health care in the UK; opening a bank account; applications to extend your visas; work regulations and finding work; bringing your family to the UK; English Language courses.
- **Trips and events for international students** are also arranged throughout the year e.g. visits to local attractions and major cities such as Liverpool, Manchester and Cardiff.
- There is also a team of **International Student Ambassadors** who are current international students to support international students from arrival in Bangor right up to graduation day.

ENGLISH LANGUAGE REQUIREMENTS

- Entry onto most of our postgraduate courses requires an overall score of IELTS 6.0 with no individual score lower than 5.5. However, some postgraduate programmes may require higher scores. In some cases the university can exempt the applicant from the English language requirements if students are from an English speaking country or completed their bachelor degree through the medium of English. If you do not meet our English Language requirements then you may opt for one of our Pre-Sessional or Pre-Masters courses, further information on both of these can be seen in the section below.

ENGLISH LANGUAGE COURSES

- **Pre-sessional courses** are available for students who are interested in studying a degree programme at Bangor, but who do not satisfy the English Language requirement for that programme.
- **General English courses** are available for students who are interested in improving their English language ability.
- **Pre-Masters courses** are an option if you do not qualify for direct entry to our Masters Degree programmes in Business Studies. You can apply for the International Incorporated Pre-Masters at Bangor International College (please see the link below).

HELP IN YOUR COUNTRY

- Bangor University has a dedicated team of international officers who regularly travel overseas to meet prospective students throughout the year. You are welcome to meet the officer to discuss your queries in detail. Alternatively you can approach one of our authorised agents in your country, who can advise you about admission at Bangor and assist you with your application.

"Bangor offers a high quality, diverse student experience with one of the lowest crime rates and cost of living of any other university city. With a fantastic student life and diverse cultures, Bangor gives me the opportunity to grow as an individual.

MONALISA OFURE ODIBO

From Nigeria, studying for a PhD in Law

WANT TO KNOW MORE?

www.bangor.ac.uk/intfinance
www.bangor.ac.uk/intsupport
www.bangor.ac.uk/intenglish
www.bangor.ac.uk/bic

CONTACT US

E-mail: international@bangor.ac.uk



facebook.com/bangoruniversityinternational



[@bangoruni_intl](https://twitter.com/bangoruni_intl)

FINANCING YOUR STUDIES



- **Tuition fees** vary depending on the course and whether students are classified as UK, EU or international students. Full details are on our website (see below).
- Students from the UK and EU may be eligible for **student loans** to assist with the cost of studying for a Master's degree or doctoral level degree.

Eligible students from Wales and the EU are able to borrow up to £13,000 to assist with the cost of a Master's degree; students from England can borrow up to £10,609.

Eligible students from Wales, England and the EU are also able to borrow up to £25,000 for a doctoral level degree such as a PhD.

The system differs slightly for students from Northern Ireland and Scotland. Please check www.gov.uk/masters-loan for further details.
- It is sometimes possible to obtain **third-party financial support** for your study. This may be from a charity, foundation or trust whose aims and interests correspond with your own background or proposed area of study, or your employer may be willing to sponsor you.
- You may decide to **self-fund your study**, whether this is achieved by using existing savings, working part-time to support your living costs or using a Career Development Loan from a High Street bank.
- For **Masters' courses, Bursaries and Scholarships** generally range from around £500 to £4,000 per year, depending on the subject area, and are usually allocated on a competitive basis.
- For **research degrees such as a PhD**, the University advertises a significant number of **fully-funded research studentships** each year and opportunities can arise throughout the year. This funding is allocated variously from central scholarship funds, academic Schools, UK Research Councils and charitable institutions.
- You may be entitled to a **Postgraduate Access Bursary worth £500** if you were in receipt of grant or hardship funding as an undergraduate student. Further details are on our website (see below).
- The **Santander Group awards Scholarships of £5,000** to our taught postgraduate students. The scholarship fund aims to reward the most academically gifted students from countries that are supported by the Santander Universities scheme.
- The **Santander Mobility Scholarship Scheme** offers Bangor University research students the opportunity to study or research overseas at institutions within the Grupo Santander Network during the academic year.
- **International Scholarships of £4,000** are awarded to every candidate showing a performance equivalent to a 1st class honours, and £2,000 is awarded for performance equivalent to 2(i) or 2(ii).

WANT TO KNOW MORE?

www.bangor.ac.uk/pgfinance
www.bangor.ac.uk/intfinance
www.bangor.ac.uk/pgscholarships

APPLYING, ENTRY REQUIREMENTS & STUDY OPTIONS

SOME TAUGHT COURSES ALSO HAVE JANUARY INTAKE

APPLICATION FOR TAUGHT COURSES

Full details of how to apply for taught postgraduate courses (including PGCE, MA Social Work and DClinPsy) are on our website, see below. You are strongly advised to read the Guidelines for Applicants before completing the application form.

APPLICATION FOR POSTGRADUATE RESEARCH PROGRAMMES

Applicants for a research degree are encouraged to identify and discuss the topic for research with the relevant department prior to submitting the application. See the website below for guidance.

STUDY OPTIONS

Most of our postgraduate students choose to study on a full-time basis, but many of our taught courses and research programmes are available on a part-time basis for UK/EU students and some academic Schools offer distance learning courses.

COURSE START DATE

Most taught courses will start in September. However, you'll have the choice of being able to start some Masters-level programs in either January or September. If a course does offer a January or September start date, this will be highlighted in the Course Duration section of the course description and on our website, see below. For most research courses, we can accept an intake at the beginning of every calendar month. Please enquire with the Course Director.

ENTRY REQUIREMENTS

The qualifications, skills and qualities needed for postgraduate study at Bangor vary from course to course and academic School to School. Full details can be found on the website, see below.

Academic

A Bachelor degree from an approved University or Higher Education Institution is required. Normally for admission to Masters' courses the minimum degree classification accepted is a lower second class honours (2.ii) or equivalent and for research degrees an upper second class honours (2.i) or equivalent. Some programmes may require a higher degree classification or a higher degree award. Bachelor degrees gained in the UK are normally accepted. If you have a degree from another country, see our website, below.

Mature students who do not have the above academic qualifications will also be considered for postgraduate degree programmes. A minimum of two years relevant professional work experience may be accepted in-lieu of formal academic qualifications.

English Language

Students for whom English is not a first language will be required to provide evidence of English Language proficiency. See page 11 for details.



WANT TO KNOW MORE?

www.bangor.ac.uk/pgcourses
www.bangor.ac.uk/pgapply
www.bangor.ac.uk/intentry
www.bangor.ac.uk/countries
www.bangor.ac.uk/janstart

Creative Studies and Media

We offer degrees across a wide range of creative arts, including film, journalism, media, digital and interactive media, professional writing and theatre. All of our courses combine the practical and the theoretical, ensuring that our students graduate with a comprehensive knowledge of their subject area.

A distinct feature of our approach is the way in which students from the various disciplines are encouraged to interact with, and learn from each other. For example, students from screenwriting, theatre and media practice courses often work together to produce practical pieces of work. Our course structure is extremely flexible, and allows students to choose modules from outside their specialised disciplines.

The study environment at Bangor couldn't be better for studying at postgraduate level. You will be joining a vibrant postgraduate community and a University with significant experience in teaching the creative industries at postgraduate level. In recent years, our postgraduate students have won numerous awards and scholarships and found academic and industry employment at such prestigious institutions as the BBC and in the entertainment software sector.

Staff and facilities

Teaching staff include both highly regarded academics and acclaimed creative practitioners, with strong regional, national and international links in the private and public sector. Academic staff specialise in diverse research areas such as vertical dance, technology and discourse, Jewish film, digital advertising, journalism, politics and risk, digital fiction, videogames and virtual worlds, live television, documentary film making, adaptation studies and comics.

Staff expertise is matched by our state-of-the-art purpose built facilities. As well as broadcast quality TV and radio equipment, there are dedicated spaces for those studying games, digital media, journalism and writing, and a theatre and digital cinema. All of these facilities are gathered together in John Phillips Hall situated by the shore of the Menai Strait.

Academic areas covered

Our Masters degrees offer you a blend of taught modules and personal supervision, allowing you to both pursue your own area of interest and draw upon the wide-ranging expertise of members of staff, all within a structured framework. The MAs also allow you to pursue a blend of theoretical/critical and creative-practice work.

PhD/MPhil study is available in subjects across the whole spectrum of the Creative Industries, with potential research or practice-led research specialisms in such areas as: Professional Writing, Film and/or Media Studies, New Media, Drama, Communications and related fields.

Research Links/Links with Industry

Research can be characterised as interdisciplinary, collaborative, creative and critical. Our key strengths are in: digital culture; media and persuasive communication; and, creative theory and practice (practice-as-research).

We enjoy strong links with local companies (e.g. BBC Wales, National Library of Wales, S4C, Cwmni Da, Dafydd Hardy Estate Agents, Menter Môn, Galeri Caernarfon, GeoMôn) and offer a range of invited industry talks and workshops for you to attend and forge links with potential future employers in the Media and Creative Industries.

Dr STEFFAN THOMAS Lecturer in Film and Media

Dr Steffan Thomas' research is in the area of digitally distributed media and streaming services. He is interested in the compromises and values associated with streaming for both consumers and producers and is currently working on adapting his PhD for publication.

"I arrived at Bangor as an undergraduate student and failed to leave completing my MA and PhD here. We provided a unique combination of subjects in the creative industries and a blend of practice and theory teaching. As a student, and now as a member of staff, I enjoy the mix of student engagement and the opportunities available by working in a multi-disciplinary approach both within the University and with the wider business community."

Professor NATHAN ABRAMS Professor of Film Studies,

Professor Abrams' specialist areas of interest include Public Intellectuals and American Culture; Jews, Jewishness and Judaism in Popular Culture; and European Jewish Diasporas. He is a world-leading expert on the work of Stanley Kubrick, and has recently published a book about his life and films (*Stanley Kubrick: New York Intellectual*, Rutgers 2018).

"We provided cutting-edge facilities in film, media, music, professional writing, gaming and performance, with a special strength in bringing together practitioners and scholars. We are very proud of our vibrant postgraduate student community with wonderful networking facilities for taught and research postgraduates."

COURSE LIST:

MA/Diploma

- Filmmaking: Concept to Screen

MSc

- International Media and Management (with Business/Law)

MRes

- Creative Practice
- Film Studies
- Media and Practice
- Professional Writing

PhD/MPhil

- Professional Writing, Film, Media, New Media, Journalism, Creative Studies, Drama

PhD/MPhil Practice-Led Research

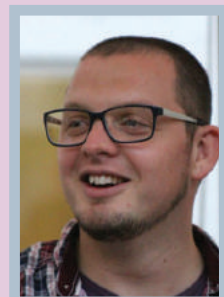
- Professional Writing, Film, Media, New Media, Journalism, Creative Studies, Drama

TO FIND OUT MORE:

Tel: +44 (0) 1248 382118

E-mail: pgadmissionscah@bangor.ac.uk

www.bangor.ac.uk/music-and-media/



STAFF PROFILE



STAFF PROFILE

Filmmaking: Concept to Screen MA

COURSE DURATION

MA: 1 year full-time.

ENTRY REQUIREMENTS

A good 2.ii Honours degree in Media Studies or a related discipline and/or industry equivalent experience. A portfolio of creative/film work is also required. IELTS score of 6.0 (no component below 5.5) or equivalent if your first language is not English or Welsh.

COURSE DESCRIPTION

This taught degree programme has a unique focus, offering training in all aspects of filmmaking from concept and creative development through the filmmaking process and on to distribution and marketing. By the end of the degree, you will have developed a competition and festival-ready calling-card short film, together with transferrable skills in developing and marketing your product and an understanding of the nature of the film industry.

Teaching on this degree conforms to current industry practice, and includes training and mentoring in standard development documents, such as screenplay, treatment and storyboards, and in areas such as risk assessment and budget management. Visiting guest speakers from various areas of the film industry provide an essential context on changing practices, as well as offering useful information of their own experiences in film. All students on this programme receive a production budget.

Compulsory Modules:

• The Film Industry

The aim of this module is to foster an understanding of the workings of the international film industry. Film production, distribution, exhibition, marketing and consumption will all be examined.

• Concept Development

This module introduces the practical and theoretical aspects of developing concepts for film, as well as the craft of screenwriting. This will include script formatting, style, structure, genre, plotting, characterisation and dialogue.

• Film Production: The Micro Short

This module aims to develop knowledge of the technical aspects of filmmaking, including direction, camera-work, lighting, music and editing, with the aim of producing a high-quality two-minute short film.

• Writing the Short Film

This module expands your practical experience of screenwriting, and advances core theories on the synthesis of creative and industry practice, as well as focusing specifically on the history, format, aesthetics and demands of the short film.

• Pre-Production: The Short Film

This module aims to develop knowledge on the practical and budgetary aspects of pre-producing a festival quality short film, including commissioning strategies, casting, rehearsals, risk assessment, location scouting, and the managing and co-ordination of a production crew.

• Film Production – Dissertation

You will generate work that displays exceptional capability in operational aspects of media production technologies, systems, techniques and professional practices to produce a competition and festival-ready, calling-card short film.

CAREER PROSPECTS

This MA has a strong industry focus, and aims to train students vocationally. This will be achieved by providing you with teaching that conforms to current industry practice, including standard development documents (screenplay, treatment, storyboards), and a focus on completing work that can be entered into a variety of international film festivals and competitions. Visiting guest speakers from various areas of the film industry will also provide an essential context on changing practices, as well as providing useful information of their own experiences in film.

We actively seek to put students in contact with relevant industry bodies and organises a variety of professional workshops and competitions, e.g. through the Enterprise by Design scheme.

Past graduates have secured positions in a variety of creative (and related) industries, including broadcasting and filmmaking, advertising/PR, games development and tourism.

For further course details, please see:

www.bangor.ac.uk/go/pg/creative

International Media and Management MSc

COURSE DURATION

MSc: 1 year full-time or 2 years part-time.

ENTRY REQUIREMENTS

A good 2.ii Honours degree in a relevant subject or industry equivalent experience. IELTS score of 6.0 (no component below 5.5) or equivalent if your first language is not English or Welsh.

COURSE DESCRIPTION

The creative industries play a vital role in economic growth worldwide, accounting for some 7% of gross domestic product across Europe, over 11% in the US and up to 17-20% elsewhere. This phenomenal rate of growth provides excellent opportunities for individuals with the skills and background to take up executive roles within the sector. The MSc International Media and Management will provide you with the intellectual development and training to develop a senior management career in this area.

On this degree you will study topics such as Strategic Management, Marketing Strategy, Finance for Managers, Organisations and People, Intellectual Property, Comparative Corporate Law, Labour Law, International Law, Research Methods and Creative Industries. You will also undertake a media-focused dissertation designed to investigate and interrogate theory and practice in the creative economies locally and/or globally.

Compulsory Modules:

• Creative Industries

In this module, you will analyse the development of the creative industries globally. There will be a particular emphasis on the media, and the relevant social, economic and political contexts of the main developments within these industries will also be considered.

• Research Methods

This module equips you with an understanding and critical overview of key methodological issues associated with various types of research in the Media, Cultural and Creative Industries, in preparation for the dissertation.

• Masters Dissertation

The dissertation provides you with the opportunity to work with a specialist supervisor in the production of an extended piece of writing. The work will, of necessity, go through a number of stages, and the supervisor will support you in the effective revision of your work. As well as developing high-level skills in research and presentation, students will also develop important skills of self-management.

Other modules may include:

• Organisations and People

This module provides an integrated analysis of management, organisations and people, developing the conceptual, strategic and practical skills necessary for managers in complex, global organisational contexts.

• Intellectual Property Law

This module equips you with an understanding of the fundamentals of intellectual property law; the definition and scope of copyright;

the authorship, ownership, duration and qualification for copyright protection; infringement of copyright and the defences to an infringement action.

• Marketing Strategy

This module introduces you to the 'fundamentals' of marketing, by illustrating strategies in a wide range of situations, and covering the various schools of thought in marketing, together with relevant analytical models and management practices.

CAREER PROSPECTS

Through its unique spread of modules in creative industries, business and law, this vocationally oriented MSc prepares you for a senior management career in the creative economies. The programme as a whole will also prepare you for PhD or MPhil level postgraduate study. We actively seek to put students in contact with relevant industry bodies and organises a variety of professional workshops and competitions, e.g. through the Enterprise by Design scheme.

Past graduates have secured positions in a variety of creative (and related) industries, including broadcasting and filmmaking, advertising/PR, games development and tourism.

For further course details, please see:

www.bangor.ac.uk/go/pg/creative

Creative Practice MRes

COURSE DURATION

MRes: 1 year full-time or 2 years part-time.

ENTRY REQUIREMENTS

A good 2.i Honours or industry equivalent experience. IELTS score of 6.5 (no component below 6.0) or equivalent if your first language is not English or Welsh.

COURSE DESCRIPTION

This degree draws on and draws together our strong focus on the synthesis of critical/theoretical work and practice. In the first semester you will take modules in creativity and research and in media theory, before embarking on the production of a substantial practice-based dissertation under the supervision of a specialist member of staff.

The dissertation includes both a reflective/critical element and a portfolio, and can be undertaken in any of the practice-based disciplines taught, including writing, screenwriting, performance, television and radio production, film and documentary making, digital media writing and production, and journalism. Successful applicants will have an excellent first degree in a relevant discipline or equivalent practical/industrial experience, and a demonstrated ability to work independently to bring a self-directed project to completion.

Compulsory Modules:

• Media, Culture, and Creativity Theory

This module builds on our greatest strengths, by bringing students together with practitioners and researchers from other fields of study into a forum for a wider discourse about current research in the media and creative industries. The module will provide a systematic overview of major 20th and 21st century critical schools and theoretical approaches, which are key for an advanced understanding of how to read and analyse creative, cultural and media artefacts such as fiction, non-fiction, poetry, drama, film, video games and other new media texts.

• Research Methods

This module aims to equip you with an understanding and critical overview of key methodological issues associated with various types of research in the media, cultural and creative industries, in preparation for the dissertation.

• MRes Humanities Dissertation

With guidance from academic staff, students following the MRes Humanities Dissertation module will be asked to choose a topic of their own for further research. Students will be expected to produce an independently researched piece of work which will reflect the knowledge and skills acquired from the taught modules. The chosen topic may be specific to one culture or comparative.

CAREER PROSPECTS

The MRes in Creative Practice will prepare you to meet the need, increasingly being identified within industry, for self-reflective practitioners with experience at project development in the creative sector.

We actively seek to put students in contact with relevant industry bodies and organises a variety of professional workshops and competitions, e.g. through the Enterprise by Design scheme.

Past graduates have secured positions in a variety of creative (and related) industries, including broadcasting and filmmaking, advertising, PR, games development and tourism.

For further course details, please see:

www.bangor.ac.uk/go/pg/creative

Professional Writing MRes

COURSE DURATION

MRes: 1 year full-time or 2 years part-time.

ENTRY REQUIREMENTS

A good 2.i Honours degree or equivalent practical/industrial experience. IELTS score of 6.5 (no component below 6.0) or equivalent if your first language is not English or Welsh.

COURSE DESCRIPTION

This programme offers you the opportunity to conduct in-depth practice-based, empirical or critical research into the process and product of professional writing. You will work towards the production of a practice-based portfolio or independently researched piece of work which will explore the creative and critical styles, contexts and attitudes of professional writing. You will develop, sustain, consolidate and resolve a self-directed programme of work in professional writing over an extended period of time, supervised by specialist professional staff in the field.

Successful applicants for this programme will have a first degree in a relevant discipline or equivalent practical/industrial experience, as well as a demonstrated ability to work independently to bring a self-directed project to completion.

Compulsory Modules:

• Media, Culture, and Creativity Theory

This module builds on our greatest strengths, by bringing students together with practitioners and researchers from other fields of study into a forum for a wider discourse about current research in the media and creative industries. The module will provide a systematic overview of major 20th and 21st century critical schools and theoretical approaches, which are key for an advanced understanding of how to read and analyse creative, cultural and media artefacts such as fiction, non-fiction, poetry, drama, film, video games and other new media texts.

• Research Methods

This module aims to equip you with an understanding and critical overview of key methodological issues associated with various types of research in the media, cultural and creative industries, in preparation for the dissertation.

• MRes Humanities Dissertation

With guidance from academic staff, students following the MRes Humanities Dissertation module will be asked to choose a topic of their own, for further research. Students will be expected to produce an independently researched piece of work which will reflect the knowledge and skills acquired from the taught modules. The chosen topic may be specific to one culture or comparative.

CAREER PROSPECTS

The MRes in Professional Writing will prepare students to meet the need – increasingly being identified within industry – for self-reflective practitioners with experience at project development in the creative industries. It will also give them the opportunity to demonstrate their ability to work independently on a long and complex project, providing a strong basis for those wishing to go on to further academic study and to academic careers.

We actively seek to put students in contact with relevant industry bodies and organises a variety of professional workshops and competitions, e.g. through the Enterprise by Design scheme.

Past graduates have secured positions in a variety of creative (and related) industries, including broadcasting and filmmaking, advertising/PR, games development and tourism.

For further course details, please see:

www.bangor.ac.uk/go/pg/creative

Film Studies MRes

COURSE DURATION

MRes: 1 year full-time or 2 years part-time.

ENTRY REQUIREMENTS

A good 2.i Honours degree or equivalent practical/industrial experience. IELTS score of 6.5 (no component below 6.0) or equivalent if your first language is not English or Welsh.

COURSE DESCRIPTION

This programme offers you the opportunity to undertake in-depth study on a chosen aspect of film and cinema studies. Following first semester modules in Research Methods and Media, Culture, and Creativity, you will embark on a 40,000 word dissertation (or practice-based equivalent). Specialist film staff across the College of Arts, Humanities and Business at Bangor University will be on hand to supervise, as you develop, sustain, consolidate and resolve a self-directed programme of work in the field of film studies, either creative or theoretical, over an extended period of time. The MRes is supported by a dedicated College-wide seminar series, which offers you the opportunity to present your own work in progress, and to develop an understanding of critical paradigms and research in Bangor and beyond.

Successful applicants for this programme will have a first degree in a relevant discipline or equivalent practical/industrial experience, and a demonstrated ability to work independently to bring a self-directed project to completion.

Compulsory Modules:

• Media, Culture, and Creativity Theory

This module builds on our greatest strengths, by bringing students together with practitioners and researchers from other fields of study into a forum for a wider discourse about current research in the media and creative industries. The module will provide a systematic overview of major 20th and 21st century critical schools and theoretical approaches, which are key for an advanced understanding of how to read and analyse creative, cultural and media artefacts such as fiction, non-fiction, poetry, drama, film, video games and other new media texts.

• Research Methods

This module seeks to equip you with an understanding and critical overview of key methodological issues associated with various types of research in the media, cultural and creative industries, in preparation for the dissertation.

• MRes Humanities Dissertation

With guidance from academic staff, students following the MRes Humanities Dissertation module will be asked to choose a topic of their own for further research. Students will be expected to produce an independently researched piece of work which will reflect the knowledge and skills acquired from the taught modules. The chosen topic may be specific to one culture or comparative.

CAREER PROSPECTS

The MRes Film Studies will provide ideal training for those wishing to work in the creative industries, with a particular focus on the development of key analytical and critical skills for the film and cinema studies sectors. It will also provide a strong basis for those wishing to pursue doctoral study with a view to careers in teaching, lecturing and research.

We actively seek to put students in contact with relevant industry bodies and organises a variety of professional workshops and competitions, e.g. through the Enterprise by Design scheme.

Past graduates have secured positions in a variety of creative (and related) industries, including broadcasting and filmmaking, advertising/PR, games development and tourism.

For further course details, please see:
www.bangor.ac.uk/go/pg/creative

Media and Practice MRes

COURSE DURATION

MRes: 1 year full-time or 2 years part-time.

ENTRY REQUIREMENTS

A good 2.i Honours degree or equivalent practical/industrial experience. IELTS score of 6.5 (no component below 6.0) or equivalent if your first language is not English or Welsh.

COURSE DESCRIPTION

This programme aims to deepen students' knowledge of media and practice, by allowing them to conduct research in the field of media theory, communication and media forms. Drawing on a wide range of expertise, you will have the opportunity to develop, sustain, consolidate and resolve a self-directed programme of work in the field of media – either creative or theoretical – over an extended period of time. The module is divided into two taught modules and a substantial independent piece of work, supervised by specialist professional staff.

Successful applicants for this programme will have an excellent first degree in a relevant discipline or equivalent practical/industrial experience, and a demonstrated ability to work independently to bring a self-directed project to completion.

Compulsory Modules:

• Media, Culture, and Creativity Theory

This module builds on our greatest strengths, by bringing students together with practitioners and researchers from other fields of study into a forum for a wider discourse about current research in the media and creative industries. The module will provide a systematic overview of major 20th and 21st century critical schools and theoretical approaches, which are key for an advanced understanding of how to read and analyse creative, cultural and media artefacts such as fiction, non-fiction, poetry, drama, film, video games and other new media texts.

• Research Methods

This module seeks to equip you with an understanding and critical overview of key methodological issues associated with various types of research in the media, cultural and creative industries, in preparation for the dissertation.

• MRes Humanities Dissertation

With guidance from academic staff, students following the MRes Humanities Dissertation module will be asked to choose a topic of their own for further research. Students will be expected to produce an independently researched piece of work which will reflect the knowledge and skills acquired from the taught modules. The chosen topic may be specific to one culture or comparative.

CAREER PROSPECTS

The key analytical and creative skills taught as part of the Media and Practice MRes will be ideal training for those who wish to work within the field of Creative Practice and related industries. The student's ability to produce writing to strict deadlines as well as their in-depth knowledge of many aspects of media and practice will demonstrate a valued ability to work independently on a long and complex project. It will also be of use to students wishing to go on to further academic study (e.g. doctoral research) and to careers as lecturers and researchers.

We actively seek to put students in contact with relevant industry bodies and organises a variety of professional workshops and competitions, e.g. through the Enterprise by Design scheme.

Past graduates have secured positions in a variety of creative (and related) industries, including broadcasting and filmmaking, advertising/PR, games development and tourism.

For further course details, please see:
www.bangor.ac.uk/go/pg/creative

COURSE DURATION

PhD: 3 years full-time, 6 years part-time; MPhil: 2 years full-time, 4 years part-time.

ENTRY REQUIREMENTS

We would normally expect students starting a PhD or MPhil to hold a first class or a good second-class undergraduate degree. In many cases PhD and MPhil applicants have studied to MA level, though this is not compulsory. We are able to accept students on a distance-learning basis, but they should have already acquired the skills taught in the introductory seminars, or should make arrangements to attend equivalent seminars at another institution, at their own expense. Students whose first language is not English are expected to have an IELTS score of at least 7.0.

COURSE DESCRIPTION

PhD/MPhil and PhD/MPhil Practice-Led study is available in subjects across the whole spectrum of the Creative Industries, with potential research specialisms in such areas as: film and/or media studies, new media, drama, communications and related fields. Our staff specialise in a wide range of subject areas, such as world cinema, visual culture, digital and interactive media, games and virtual environments, digital arts and culture, journalism, media and cultural studies, screenwriting and adaptation, drama and performance. Our Practice-Led Research staff specialise in areas such as digital and interactive media, professional writing (journalism and screenwriting), media and film production, and performance.

The environment in Bangor could not be better for studying at postgraduate level. You will be joining a vibrant postgraduate community and a University with significant experience in teaching the creative industries at postgraduate level.

CAREER PROSPECTS

Following their research degrees, past graduates have secured positions in prestigious academic institutions as well as a variety of creative (and related) industries, including broadcasting and filmmaking, advertising/PR, games development and tourism.

We actively seek to put students in contact with relevant industry bodies and organises a variety of professional workshops and competitions, e.g. through the Enterprise by Design scheme.

All research students have a broad range of academic training events to choose from, including:

- seminar series for staff and students
- regular supervisory committee meetings
- an annual PG symposium
- career and research skills courses offered by the University's Doctoral School.

Research students are also involved in relevant undergraduate teaching and editorial/publishing activities.

For further course details, please see:
www.bangor.ac.uk/go/pg/creative



English Literature & Creative Writing

English Literature has been an integral part of Bangor University since the University opened its doors in 1884. Our long history, strong tradition and wealth of experience are reflected in our expertise at postgraduate level, and complemented by a range of courses that allow our students to specialise in many areas of traditional and contemporary study. Teaching staff include successful poets, authors, critics and novelists in their own right. Academic staff include some of the world's foremost authorities on Arthurian Literature, Herbert, early modern literature, the history of the book and Welsh writing in English.

Bangor has one of the longest histories of teaching creative writing in the UK and has pioneered the creative-critical interface that has allowed our graduates to excel in writing and publishing work.

We offer an engaging and supportive environment for postgraduate study, focusing on small group teaching and one-to-one supervision. Postgraduate students work closely with academic staff in a research community that encourages interdisciplinary exchange and activity. Our Masters and PhD students are part of a lively Graduate School within the College of Arts, Humanities and Business, which provides opportunities for productive exchange across its constituent Schools and disciplines.

As well as regular poetry readings, research activities initiated and run by our students include: an annual postgraduate conference in medieval studies and medievalism; staff and postgraduate students' writing workshop; the online postgraduate journal; and postgraduate research forum.

Overview of the academic areas covered

Our expertise lies in the following key areas:

Material Texts and Culture

Studied across all periods of literature, with particular focus on the editing and interpretation of medieval manuscript books and early modern manuscript and print; the relationship between art and literature; Victorian letter-writing and communication; the work of R. S. Thomas and the modern screenplay.

The Literatures of Wales

Established strength in Welsh writing in English; pioneering new and comparative approaches to writing from Wales in Welsh and English; theories of national literature, culture and identity.

Four-Nations Approaches

Critical approaches which look at texts from the different regions and nations of these islands, often comparatively, or which challenge the residual Anglocentrism of British literary studies.

World Literature

Texts from non-British national literatures; critical approaches or comparative studies which consider texts from Britain alongside those from other parts of the world; theories of international literary space.

Arthurian Studies

This area of expertise has been established at Bangor for more than 50 years; research and teaching focus on interdisciplinary approaches to the development of the Arthurian legends from the medieval period to the present day.

Translation, Adaptation, Experimentation

Creative and critical approaches to experimental writing; approaches to translation, adaptation and correspondence between genres and languages, with particular strengths in literature, film and the screenplay.

Creative Writing

Creative writing staff at Bangor publish in the major forms of short fiction, the novel and poetry, their research spanning criticism and practice-based contributions to these areas.

Research Centres

- The **Institute for Medieval and Early Modern Studies (IMEMS)**, a collaborative research institute between Bangor University and Aberystwyth University, focusing on research activities in the pre-1800 period.
- The **R. S. Thomas Centre** fosters new work in this area of study, particularly through engagement with primary source materials from the R. S. Thomas archives, acquired by Bangor University in recent years.
- The **Centre for Contemporary Poetry** (informally known as 'Contempo') is a collaborative, cross-institutional research centre founded in 2006, and run by Bangor, Aberystwyth and Brighton Universities. It aims to develop knowledge about contemporary poetic practices, about the interface between the word and the visual, and to examine differences in practice between experimental and traditional poetic forms.
- The **Centre for Arthurian Studies** is a hub of international research and exchange in Arthurian Studies which draws on the University's historic strengths in the field in terms of staff expertise and the resources housed in the University Library and Special Collections.
- The **Stephen Colclough Centre for the History and Culture of the Book** is housed in the University Library and Special Collections and is the focal point for staff across the University and beyond working on the study of the book as a material object. Research conducted in Centre is focused on developing approaches to the place of the book within cultural, social and economic frameworks, and as a cultural commodity, conveyor of knowledge and object of desire.

Staff and facilities

The interests of our staff extend from the medieval period to the twenty-first century and look beyond the UK to international landscapes of literatures in English. Staff are enthusiastic researchers and teachers who come together in the introductory postgraduate courses to pass on valuable knowledge and expertise. The University's library holdings have been carefully developed to match research interests.

We also offer specialist training in palaeography and codicology (medieval and early modern manuscripts in Middle English, Middle Welsh, Anglo Norman and Latin).

COURSE LIST:

MA/Diploma

- Arthurian Literature
- Creative Writing
- English Literature
- Literatures of Wales
- Medieval Studies

PhD/MPhil

- Creative and Critical Writing
- English Literature

TO FIND OUT MORE:

Tel: +44 (0) 1248 382118

E-mail: pgadmissionscah@bangor.ac.uk

www.bangor.ac.uk/english



STAFF PROFILE

Dr MICHAEL DURRANT Lecturer in Early Modern Literature

"In the early 2000s, I studied for an undergraduate degree in English Literature here at Bangor University, before completing my MA and PhD at the University of Manchester. I have previously taught English Literature at the University of Manchester, the University of Salford, Staffordshire University, and I worked as a lecturer in Hong Kong before returning to Bangor.

I teach on a range of modules that focus on the literatures of the early modern period at both undergraduate and postgraduate levels. My research mainly focuses on book history and print culture, areas of interest that have contributed to my first major monograph, published by Manchester University Press in 2019. I have previously written chapters and articles on textual transmission, hypocrisy in seventeenth century print, religious devotion, and representations of ghosts and hauntings in popular renderings of the English Civil War period. I have also contributed an online article to *The Conversation*, focusing on Hilary Mantel's historical fictions."

Arthurian Literature MA

COURSE DURATION

MA: 1 year full-time; 2 years part-time.

ENTRY REQUIREMENTS

Applicants should normally hold a 2.i undergraduate degree or equivalent in a relevant area, demonstrating high achievement in elements relevant to the proposed research or equivalent experience. You should also, in your application, outline the area in which you wish to specialise. For students whose first language is not English an IELTS score of at least 6.5 (with no element below 6.0) is required.

COURSE DESCRIPTION

The MA in Arthurian Literature benefits from the expertise of world-class academics, outstanding library resources, and a unique location with medieval roots in the legend.

Arthurian Literature is an established area of learning at Bangor University, benefitting from our dedicated Centre for Arthurian Studies. The main specialists in the field are Professor Raluca Radulescu, whose work has focused on Malory, Arthurian romances and chronicles, and Professor Emeritus PJC Field, world-renowned for his work on the Arthurian legend. The course also draws upon the expertise available in Welsh, History, Welsh History and Archaeology and Music. Staff in these areas contribute regularly to the teaching of Arthurian topics spanning the medieval period to the present.

The MA in Arthurian Literature takes a flexible, comprehensive, approach to the discipline. You may choose to specialise in the medieval or the post-medieval period. At the same time you can enjoy all the benefits of one-to-one supervision in the Open Essay options, and develop your research skills. Moreover, in-depth introductions to the study of medieval palaeography and codicology are available by collaboration with other relevant academic disciplines here at Bangor.

Students are encouraged to participate in the annual international postgraduate conference, 'Medievalism Transformed', the bi-weekly Institute for Medieval and Early Modern Studies seminar series (www.imems.ac.uk/) and the online postgraduate journal.

Structure

The MA in Arthurian Literature consists of two parts. Part One must be successfully completed before proceeding to part two.

Compulsory Modules:

• Introduction to Literary Theory, Scholarship and Research

This module develops knowledge of literary theory and research methods.

• Medieval Arthur

This module explores the Arthurian myth from the earliest archaeological evidence to the end of the fifteenth century, with a view to examining its evolution in a variety of the socio-political contexts, as well as material culture.

• Post-Medieval Arthur

This module addresses the Arthurian myth and legends from the early modern period onwards, paying attention to the way the story was shaped in different centuries.

• Dissertation

The dissertation module gives you the opportunity to produce a substantial piece of scholarly research, on a subject of your own choice and discussed in detail with a chosen supervisor.

Optional Modules:

- Open Essay
- Material Texts and Editing
- Manuscript and Printed Books

Subject to availability, you may also choose relevant modules in medieval Welsh literature and/or Welsh Arthurian literature.

RESEARCH LINKS/LINKS WITH INDUSTRY

A collaboration with the tourist attraction 'King Arthur's Labyrinth' at Corris has led to funded Access to Masters MA places in recent years.

CAREER PROSPECTS

Current and past research students have engaged in higher degrees, teaching, research and librarianship in higher education (UK, US, Japan, and elsewhere), publishing, and a range of related activities.

For further course details, please see:

www.bangor.ac.uk/go/pg/english

Creative Writing MA

COURSE DURATION

MA: 1 year full-time or 2 years part-time.

ENTRY REQUIREMENTS

A 2.i degree or equivalent in a relevant field (please contact us for advice on accepted degrees if unsure) and a demonstrated interest in creative writing. Applicants are invited to submit a short sample of their work with their application. For students whose first language is not English an IELTS score of at least 6.5 (with no element below 6.0) is required.

COURSE DESCRIPTION

An MA in Creative Writing may be the first step towards a writing career, or a chance for more experienced writers to develop their work from a new perspective. We offer a range of opportunities for postgraduate study in a dynamic, critical and creative environment. One of the first institutions in the UK to offer creative writing at degree level, Bangor has significant experience in this discipline. Specialist writing staff closely involved in teaching and supervision include, Carol Rumens, Lisa Blower, Zoë Skoulding and Alys Conran who have a range of expertise in poetry, fiction, literary editing and the interface between creative and critical writing.

For the first part of the MA, the following modules are taught in small groups or through individual supervision:

• Creative Writing: Poetry

A series of group seminars invites you to experiment with a range of approaches to poetry, from the use of traditional forms to innovative techniques for exploring language. You will read and discuss contemporary poetry, and develop a portfolio of your own work with individual supervision.

• Creative Writing: Prose

Taught initially by seminar, followed by individual supervision, this module presents advanced fiction writing techniques, focusing on how character, plot, setting, tone and style contribute to compelling narrative, and on how conventions of genre may be challenged. Assessment is by a portfolio of fiction.

• Introduction to Literary Theory, Scholarship and Research

This module offers the opportunity to study alongside English Literature MA students, and to share ideas about authorship, the history of the book, and some key contemporary perspectives on the relationship between literature and the culture in which it is produced. For writers, this module offers a valuable insight into how your creative work relates to its wider context.

Optional modules:

- Advanced Writing Portfolio (taught by supervision)
- Open Essay/Portfolio (taught by supervision)
- Transcreative Writing

Modules may also be taken from any part of the MA in English Literature programme.

The second part of the MA is the Dissertation, which is a chance to develop a longer piece of creative writing in consultation with a supervisor.

RESEARCH LINKS/LINKS WITH INDUSTRY

Practising writers are regularly invited to share their insights with students.

CAREER PROSPECTS

An MA in Creative Writing may lead to a career as a novelist, poet or playwright. Planning and developing a substantial writing project is a good preparation for future funded or commissioned writing, as well as for an academic career in practice-based research. This course also offers a range of skills that can be applied in other contexts, for example editing, publishing, journalism and arts administration. The ability to use language fluently and persuasively is essential for success in almost any field, and the flexibility of working across genres in this course offers an excellent grounding in creative language use.

For further course details, please see:

www.bangor.ac.uk/go/pg/english

COURSE DURATION

MA: 1 year full-time or 2 years part-time.

ENTRY REQUIREMENTS

Applicants to this programme should normally hold a 2.i undergraduate degree or equivalent in English Literature or a related subject, demonstrating high achievement in elements relevant to the proposed research, or equivalent experience. For students whose first language is not English, an IELTS score of at least 6.5 overall (with no element below 6.0) is required.

COURSE DESCRIPTION

You will develop the skills and knowledge required for textual, theoretical and historical analysis in your chosen field. We offer one-to-one supervision from experts in the field. Students are encouraged to make use of the University's extensive archives and to take part in the research activities within the wider College of Arts, Humanities and Business, which includes the English Literature Research Seminar series, scholarly reading groups, workshops and conferences. The MA consists of taught modules (Part One) mainly assessed by essays, followed by a dissertation (Part Two). The modules within the English Literature programme are grouped into 'pathways'. These comprise four pathways, each of which represent a particular area of research strength at Bangor and offers an aspect of literary study in which MA students may choose to specialise, as well as an additional 'open pathway'.

English Literature Pathways:

The **Medieval and Early Modern Literature pathway** draws on well-known and internationally recognised areas of expertise at Bangor. Members of staff undertake research in medieval English poetry, prose and drama; the literature of the Tudor period; the drama of Shakespeare and his contemporaries, and seventeenth-century literature in poetry and prose as well as on the stage. Particular areas of interest include: Chaucerian studies, medieval romance, Arthurian literature, medieval political culture (including historical writing), medieval and early modern drama, pre-modern travel writing, early modern memory studies, George Herbert and devotional poetry, autobiographical writing, Milton, polemical prose, words and music, manuscript studies, and the work of women writers across the medieval and early modern periods. These wide-ranging topics are reflected in the choice of modules and dissertation topics available to students who follow the pathway.

The **Material Texts pathway** introduces students to many of the methodologies associated with the history of the book, the sociology of texts, the history of reading and the theories associated with editing. The investigation of the material text and the circumstances of production and consumption are growing areas within the discipline of literary studies. Students will examine a range of texts from medieval and early-modern manuscripts, through early printed books and on to the serialised texts of the Victorian period, as well as looking at cinema, screenplays and contemporary technologies of self-representation. This pathway makes the most of our expertise in book history and scholarly editing, as well as the University's particularly strong archive collections. We are also actively involved in several digitisation projects, and many of the modules will consider the impact of the latest technological revolution upon literary studies.

The **Revolution and Modernity, 1750 to the Present pathway** offers students the opportunity to become intimately acquainted with the historical, cultural and literary forces that have shaped our contemporary age. This interdisciplinary pathway explores a variety of visual and verbal print cultures, spaces and identities in order to unravel the complex relationship between texts and their contexts. Bangor University, with its neo-Gothic architecture and its proximity to Thomas Telford's pioneering Menai Suspension Bridge, is itself a physical embodiment of aesthetic revolution and the pursuit of modernity. While honing their knowledge of nineteenth, twentieth and twenty-first century texts, students will also become fluent in contemporary scholarly discourse and develop their own critical voice.

The **Four Nations Literature pathway** offers an opportunity for pioneering study of the literatures of England, Scotland, Ireland and Wales. It aims to widen the scope of traditional English Literature courses by seeking out continuities and contrasts between the literatures of Britain and Ireland in the modern period. In particular, the Four Nations pathway investigates the ways in which the literatures of Britain and Ireland register the effects of modernity on British and Irish culture and society, from the late eighteenth century to the contemporary moment. Bangor University, located between London, Dublin and Liverpool, is the ideal place to examine such issues.

The **Open pathway** offers students the opportunity to pursue a broader portfolio of advanced literary studies in English by completing the compulsory modules and a free choice from all the available optional modules on offer.

Part One:

All students follow the compulsory modules **Literary Theory, Scholarship and Research** and **Material Texts and Editing**. These modules consider key ideas in literary theory, the analysis of texts and the techniques of advanced scholarly writing.

Student will then choose a further two modules from those on offer. In order to complete a pathway, the two modules must be selected from that pathway's list of available modules. Students following the Open pathway may choose any two modules from the full range on offer. An example of typical modules are given below:

Modules on Medieval and Early Modern Literature may include:

- Manuscripts and Printed Books
- Myth and the Early Modern Author
- Women's Devotional Writing
- Medieval Arthur
- Open Essay

Modules on Material Texts may include:

- Manuscripts and Printed Books
- Material Texts and Editing
- Print, Politics & Popular Culture
- Open Essay

Modules on Revolution and Modernity, 1750 to the Present may include:

- Revolution, Modernity: 1790-1930
- Material Texts and Editing
- Print, Politics & Popular Culture
- Open Essay

Modules on Four-Nations Literature may include:

- Revolution, Modernity: 1790-1930
- Scottish Literature
- Welsh Literature in English
- Irish Literature
- Open Essay

In addition to the above pathway-related modules, the following modules are offered:

- Open Essay
- The Postgraduate Conference

It may also be possible to take one optional module from the MA in Creative Writing (if the prerequisites of creative writing experience are met) or in another Arts and Humanities subject (if the necessary academic prerequisites are met).

Part Two:

Preparation of a 20,000-word dissertation on a subject of your choice, researched and written under the individual supervision of a subject specialist. Those following a specified pathway will be expected to choose a subject in a relevant research area.

CAREER PROSPECTS

The course offers excellent preparation for participation in doctoral programmes. It adds to the qualifications of those intending to pursue a career in cultural and creative fields such as publishing, arts administration, the media, communications and teaching. The experience of postgraduate literary study can also enhance future employability, through the acquisition of transferrable skills such as: the ability to pursue independent research; to carry out advanced analysis of texts and arguments; and to present ideas fluently in written and oral form. Above all, the MA affords an opportunity for advanced personal and intellectual development.

For further course details, please see:
www.bangor.ac.uk/go/pg/english

Literatures of Wales MA

COURSE DURATION

MA: 1 year full-time or 2 years part-time.

ENTRY REQUIREMENTS

Applicants to this programme should have a 2.i or equivalent in a relevant subject (e.g. English Literature, Welsh, or History). Practical experience may also be accepted. Applicants will be judged on their individual merits, with work experience and other factors also considered. The ability to speak Welsh is not a requirement for this course. Students will have the opportunity to take Welsh lessons. For students whose first language is not English an IELTS score of at least 6.5 overall (no element below 6.0) is required.

COURSE DESCRIPTION

The Literatures of Wales MA is the first course anywhere in the world which focuses on the study and comparison of texts from the two main literary traditions in Wales (where necessary in English translation). Wales is the only one of the British Celtic nations to retain a widely-spoken, viable indigenous language and a vibrant contemporary literature. It is also the only British nation whose distinctive Anglophone literature remains marginalised within its own education system. At university level, the linguistic divide of the twentieth century encouraged the separate study of the two literatures, a schism which modern scholarship has only recently started to overcome. Bangor – a genuinely bilingual cultural centre – is an ideal place in which to study these two literary traditions from Wales, and to consider the question of what happens to English-language literature when it is not the principal tradition.

Part One:

The first part of the course comprises three modules which seek to provide students with an understanding of modern Welsh literary and cultural history – thus enabling students to develop their understanding of key issues in modern Welsh literary scholarship and consider key issues across both literary traditions, from a cross-community perspective.

Introduction: 'Who Speaks for Wales?' In this introductory module, students will be asked to consider how issues of identity pertinent to Wales from 1840 to the present have been understood. Typically, students will study internal difference within Wales, Britishness, notions of Celtic identity, Wales as a postcolonial nation, parallels with other 'dominated' British nations, nationalist movements. Work by the following writers might be studied: Hywel Teifi Edwards, Saunders Lewis, Raymond Williams, Matthew Arnold, J.R. Jones, M. Wynn Thomas, Tony Conran, Dai Smith, Kirsti Bohata.

Welsh Modernity: Students will be asked to consider the ways in which literature across both linguistic traditions registers the arrival of modernity, and the changes subsequently wrought. Themes might include industry, class, urbanisation, capitalism, rural culture, religion, linguistic change and exile. Writers to be studied might include Caradoc Evans, Lynette Roberts, Caradog Pritchard, Dylan Thomas, Kate Roberts, R.S. Thomas, Arthur Machen, Emyr Humphreys, Idris Davies.

Gender and Wales: Students will study the relation between gender and the Welsh nation, and how gender roles have changed over the last century. Themes might include sexuality, masculinity and industry, gendered representations of the colonised space, the male body, women and representations of land. Writers to be studied might include: Elin ap Hywel, Jan Morris, John Sam Jones, Glyn Jones, Jane Aaron, Lewis Jones, Gwyneth Lewis, Rhys Davies, Amy Dillwyn, Menna Gallie.

Part Two:

Preparation of a 20,000-word **Dissertation**, written in English or Welsh, on any aspect of the literatures in which the student is interested in; a subject of your choice, researched and written under the individual supervision of a subject specialist.

CAREER PROSPECTS

By providing students with the unique opportunity to study with the best fellow-scholars from both literary and cultural traditions, the course equips students for a wide range of careers in the Welsh public and private sectors. For any job in which an understanding of both linguistic cultures is important, this course is an ideal training. It also provides a sound basis for further postgraduate study within Wales, or beyond.

For further course details, please see:
www.bangor.ac.uk/go/pg/english

Medieval Studies MA

COURSE DURATION

MA: 1 year full-time; 2-3 years part-time;
Diploma: 9 months full-time (also available part-time).

ENTRY REQUIREMENTS

Applicants should normally hold a 2.i degree or equivalent undergraduate degree in a relevant area, demonstrating high achievement in elements relevant to the proposed research, or equivalent experience. In their applications, students should outline the area in which they wish to specialise. For students whose first language is not English an IELTS score of at least 6.5 (with no element below 6.0) is required.

COURSE DESCRIPTION

Medieval Studies is a well-known and internationally recognised area of expertise at Bangor. Our particular strengths are in: medieval literature, particularly Arthurian romance; Welsh History and Archaeology; Welsh medieval literature, and Music. Additional strengths include, among others, gender, devotional literature, drama, Anglo-Norman studies and early sacred music. Interdisciplinary approaches form the core of medieval studies and the current expertise at Bangor guarantees this approach, both through the core module and through the optional modules offered. In addition, Bangor can boast a unique combination of module choices. Welsh, Arthurian studies and Music form the distinctive core of the provision, alongside our widely recognised expertise in teaching palaeography and codicology.

The MA in Medieval Studies takes a flexible, comprehensive approach to the discipline. You may choose to specialise in one of the participating subject areas: English Literature, Music, Welsh or History. At the same time you can enjoy all the benefits of one-to-one supervision in the Open Essay option, and acquire independent research skills. Moreover, an introduction to the study of medieval palaeography and codicology is available through collaboration with other relevant schools and the Bangor University Archives and Special Collections, which includes the library of Bangor Cathedral.

You are encouraged to participate in the activities of the Institute for Medieval and Early Modern Studies (www.imems.ac.uk), and the annual international postgraduate conference, 'Medievalism Transformed'.

Structure

The MA in Medieval Studies consists of two parts. Part One must be successfully completed before proceeding to the second part, the dissertation.

Compulsory Modules:

Part One:

- **Understanding the Middle Ages**
This module is designed to introduce you to the breadth of subject areas and methodologies subsumed under the umbrella of medieval studies.
- **Manuscripts and Printed Books**
This module consists of an introduction to palaeography and codicology.

Subject to availability, you may choose from a variety of relevant modules in aspects of medieval studies offered in English Literature; History and Archaeology; Music; and Welsh, such as:

- Medieval Arthur
- Astudiaeth Unigol: 1 (Welsh/Cymraeg)
- Medieval and Early Modern Women's Devotional Writing (English)
- The Age of Llywelyn ap Iorwerth (History)
- Principal Subject: Early (Music)
- Medieval Latin

Part Two

- **Dissertation** – a substantial piece of scholarly research, on a subject of your own choice and discussed in detail with a chosen supervisor.

RESEARCH LINKS/LINKS WITH INDUSTRY

Collaboration with the National Library of Wales, Aberystwyth, has led to a funded Access to Masters place on this degree in recent years.

CAREER PROSPECTS

This MA prepares you for a career in teaching, publishing and a range of related activities, as well as providing preparation for further research in higher education.

For further course details, please see:
www.bangor.ac.uk/go/pg/english

COURSE DURATION

PhD: 3 years full-time, 6-8 years part-time;
MPhil: 2 years full-time, 4-5 years part-time.

ENTRY REQUIREMENTS

We would normally expect students to hold a first class or a good second-class degree. Students without an MA are required to follow the research training module. We are able to accept students on a distance-learning basis, but they should have already acquired the skills taught in the introductory seminars, or should make arrangements to attend equivalent seminars at another institution, at their own expense. For students whose first language is not English an IELTS score of at least 6.5 (with no element below 6.0) is required.

COURSE DESCRIPTION

PhD/MPhil in English Literature

The MPhil in English Literature is awarded for a dissertation of not more than 60,000 words and the PhD in English Literature for a dissertation normally of not more than 100,000 words. Research may be carried out in the main fields of English literature post-1300; Arthurian literature. Areas of staff research expertise include: Arthurian literature, Chaucer and his contemporaries, medieval and early modern women's writing, medieval and early modern drama, early modern autobiography, Shakespeare, George Herbert, Restoration drama, Milton, the literature of the English Civil Wars, Romanticism (especially Hazlitt and his contemporaries), Victorian literature (especially Dickens and Oscar Wilde), Welsh writing in English (especially R.S. Thomas), London-Welsh writing at the turn of the twentieth century, Modernism, Edward Thomas, the poetry of the First World War, Modern English and American Drama, David Mamet, film history and the screenplay, the history of reading, experimental writing, contemporary poetry, global literatures, comparative literature and postcolonialism.

PhD/MPhil in Creative and Critical Writing

This programme provides the opportunity to work over an extended period on a collection of short stories, a novel or a collection of poems under the individual supervision of a writer actively publishing in your field. Your creative work will be accompanied by a critical commentary, which should be mainly focused on exploring some idea, topic, genre, theme, writer or group of writers that has a relationship with the creative work being undertaken. Researching this element will ensure a good knowledge of current literary concerns. The critical commentary should include a section in which you discuss your own work and the ways in which it relates to the literary texts you have discussed. The major component of the PhD is the creative element, which the critical commentary is intended to support. The creative element should be 70,000 to 80,000 words in length if prose. For poetry an equivalent length, depending on the exact nature of the creative work submitted, will be negotiated with your supervisor. The critical commentary should be 20,000 to 30,000 words. The thesis, comprising both creative and critical components, is expected to have a total word count of about 100,000 words or equivalent.

You will be joining a vibrant postgraduate community and taught by staff with significant experience in teaching creative writing at postgraduate level. A number of staff members are published and award-winning authors, and are involved in a variety of editing and judging activities. We also benefit from the presence of the poet Professor Carol Rumens and the visits of Honorary Professor Philip Pullman.

RESEARCH LINKS/LINKS WITH INDUSTRY

Visiting academics feature regularly in our research seminars. We organise a number of readings by writers each year. Recent visitors have included: Jackie Kay, George Szirtes, Anne-Marie Fyfe, Erin Moure, Andrea Brady, Robert Hampson, Jeff Hilson, Michael Symmons Roberts, Tiffany Atkinson, Patrick McGuinness, Richard Marggraf Turley, Damian Walford Davies and Jack Mapanje.

The Contempo seminar series, run jointly with Aberystwyth University, is a staff and postgraduate seminar series that also has a regular programme of visiting writers and critics.

CAREER PROSPECTS

The PhD/MPhil in English Literature prepares you for a career in higher education, as well as in publishing, arts administration, media research, and a range of related careers. This course fully prepares you for a future career as a writer and as an academic. Students also have the opportunity to follow a range of training programmes offered through the University that significantly enhance their chances of finding work in the field of their choice.

A number of recent or existing creative writing students have successfully published collections of poems or short stories that have arisen from their studies here at Bangor. These include John Tanner, Richard Jones and Nessa O'Mahoney. Others have published stories including Terri Lee Hackman, Zoe Perrenoud, and Lisa Blower (who also won the 2009 Guardian Short Story Competition).

For further course details, please see:
www.bangor.ac.uk/go/pg/english

"I'm researching modernism and Welsh Writing in English at Bangor and really enjoying it. Bangor University is a fantastic place to study. I have supportive, knowledgeable supervisors, access to great archives and electronic resources, and can attend a wide variety of talks and seminars across a range of different disciplines. With Bangor's support, I've been able to present my research across the UK, and even at the Royal Military College of Canada, which was an amazing experience."

DAN HUGHES, PhD in English Literature

"Having been supported by my PhD supervisors at Bangor on my journey toward the publication of my novel, it's an honour to now to be one of the teaching staff in this dynamic, thriving department. The international and contemporary focus of the department at Bangor appealed to me, as did the vibrant creative offering of the city and area. Bangor is at an exciting juncture creatively. With a new arts centre and new gallery, several festivals, and a thriving and fiercely creative student community. Opportunities for collaboration and creativity abound."

ALYS CONRAN, Lecturer in Creative Writing, author of *Pigeon* and short-listed for the 2017 International Dylan Thomas Prize.

History and Archaeology

History has been taught at Bangor since the University was established in 1884 and Archaeology has been taught here since 1960. Located in the historical centre of the University, with the lecture rooms, the Main Arts library and archives all close by. We have an excellent reputation for teaching and research across an extensive chronological span, from prehistory to the present.

Staff and facilities

We have particular strengths in Welsh history and Celtic archaeology and a vibrant research culture. We host regular research seminars in History and Archaeology with leading scholars in various fields from within Bangor and beyond. This is supported by the activities of the Institute of Medieval and Early Modern Studies, the Institute for the Study of Welsh Estates, as well as links with other research groups and series in the University. The library offers excellent resources in these fields, including a comprehensive collection of journals and newspapers, collections from published sources, and a wide range of books. There is also a substantial collection of rare books.

The University Archives hold the largest archive collection in Wales after the National Library and are home to a wealth of manuscripts dating from the Middle Ages to the present – varying from the substantial collections of the Mostyn and Penrhyn estates to the papers of modern and contemporary politicians, literary figures and scholars such as Kate Roberts, the pioneering socialist David Roberts and the historian J. E. Lloyd.

Research specialisms in history include: medieval political, administrative and gender history; early modern religious, social, economic and cultural history; Welsh historiography (i.e. the history of writing Welsh history). We also have staff who specialise in modern history, covering areas such as: 20th century political culture; social and political history; war and protest; urban history. A number of academic staff have a major interest in Welsh history from the age of the Welsh princes to devolution. At Bangor you will be taught by those who actively research and publish in the subject areas you are studying.

Archaeology at Bangor takes advantage of our fantastic location in an area which has a wide range of archaeological monuments – prehistoric tombs and stone circles, Roman forts, medieval castles (including the World Heritage Sites of Beaumaris, Caernarfon and Conwy), and the remains of the industrial revolution. The research interests of archaeology staff include: the early prehistory of Britain and Ireland, the Celtic Iron Age in Europe and Britain, the Western Atlantic Seaboard, Wales and Ireland in the early Middle Ages, and the history of archaeology. Several members of staff have field projects in Wales and beyond.

Overview of the academic areas

Research strengths in History and Welsh History include:

- Medieval: the Anglo-Norman world; the history of women in the Middle Ages; seals and sigillography; religion; national identity; historiography; society and culture.
- The early modern period: religion, national identity and political rhetoric in England and Wales during the late Stuart era.
- Modern and contemporary history: nationalism; the labour movement; consumerism; devolution; the inner city; poverty; government policy.

Research strengths in Archaeology and Heritage include:

- Early prehistory: landscapes and seascapes; death and burial.
- Later prehistory and Roman: landscapes, settlement and burial; social archaeology; Celtic archaeology.
- Early medieval: art and sculpture, settlement; social archaeology; Celtic archaeology.
- Heritage management: national and international; public archaeology.



STAFF PROFILE

Prof TONY CLAYDON Professor of Early Modern History

Professor Tony Claydon's specialist areas of interest are the politics, religion and national identity of people in late Stuart Britain. He is currently working on a series of related articles on the presentation of politicians as celebrities in the late Stuart press; the construction and understanding of time in newspapers under Queen Anne; sermons as propaganda; and the print debate over foreign policy.

"We have a collection of specialists in my period across disciplines. This has, for instance, allowed us to organise what has become the world's leading regular conference on the history and literature of the Restoration period (1660–1689) in Britain and Ireland. This sort of close interdisciplinary working extends outside my period as well: for example, as I wrote my recent article on perceptions of time in the press I had really productive discussions with colleagues from linguistics, English literature, media studies, and psychology.

The internet means I have access to the holdings of all the world's libraries for my key source, print culture; and this is supplemented by the University archive, which has an extraordinarily

COURSE LIST:

MA/Diploma

- Celtic Archaeology
- History
- Welsh History
- The Celts (see page 41)
- Medieval Studies (see page 22)

PhD/MPhil

- Archaeology
- Heritage
- History
- Welsh History

TO FIND OUT MORE:

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www.bangor.ac.uk/history

rich collection of material from north Wales and so allows me, and graduate students, to think about local case studies of national or international phenomena. For instance, with a PhD student, I am looking at the nature of news in a huge series of manuscript newsletters written by a paid scribe in London to inform Welsh gentry families in the late seventeenth century.

My skills in analysing print sources, and my experience of thinking about religion and national identities in the late Stuart period; feed into my PhD supervision (for example topics on news values, and English views of Germany in the later seventeenth century); and into MA classes on reading the press, and modules on British identity.

The Graduate School ensures students have the rich interdisciplinary experience I have enjoyed in my research; and it supplements the more subject-based support provided by the academic school. This includes a strong seminar programme, and a close and inclusive atmosphere which makes MA students feel welcome, and which rapidly integrates PhD students into the academic team."

Celtic Archaeology MA

COURSE DURATION

MA: 1 year full-time, 2 years part-time;
Diploma: 30 weeks full-time.

ENTRY REQUIREMENTS

Good undergraduate degree in a relevant discipline at least 2.ii normally required.

For non-native speakers of English an IELTS score of 6.0 overall (with no element below 5.5 is required).

COURSE DESCRIPTION

This programme aims to deepen knowledge of archaeology beyond undergraduate level, with particular emphasis on Celtic archaeology. It provides the opportunity for you to specialise in a particular academic area, so as to gain a close understanding of the archaeological debates around it. Our programme acquaints you with relevant archaeological theoretical issues and methods of interpretation and the use of evidence. It also provides you with the necessary research skills to produce an original piece of work on a chosen topic.

An MA will be awarded on successful completion of all 180 credits.

A Diploma will be awarded on the successful completion of the first 120 credits.

Compulsory Modules:

• Theory and Interpretation in Archaeology

This module introduces you to a range of theories, interpretations and key debates relevant to the study of Celtic Archaeology.

• Initiating a Research Project

This module explains how to begin a research project and ultimately produce a substantive and original research piece.

• Postgraduate Portfolios

Two small independent research projects devised in consultation with a supervisor.

• Dissertation

The dissertation module gives you the opportunity to complete a piece of scholarly research of 15,000–20,000 words on a subject of your choice and discussed in detail with a chosen supervisor.

Optional Modules:

One chosen from

- The Prehistoric Archaeology of the Irish Sea Zone
- Celtic Societies in Europe
- The Archaeology of the Early Medieval Celtic Churches

CAREER PROSPECTS

An MA in Celtic Archaeology is a versatile qualification and will give you a detailed understanding of the academic discipline of archaeology and the ability to conduct research at various levels of historical analysis. It will enhance your career opportunities in archaeology, communications, teaching, heritage industries, publishing and research.

The transferable skills acquired through this programme are beneficial in a range of other careers, including advertising, journalism, consulting etc. After successful completion of the MA in Celtic Archaeology you may also decide to pursue an academic career in archaeology, by applying for a place to study a PhD in Celtic Archaeology.

For further course details, please see:

www.bangor.ac.uk/go/pg/history

NEW DEVELOPMENTS

Archaeology will be offered in 2019, subject to validation. Please see the website for the most up-to-date information.

History MA

COURSE DURATION

MA: 1 year full-time, 2 years part-time;
Diploma: 30 weeks full-time.

ENTRY REQUIREMENTS

Good undergraduate degree at least 2.ii normally required.

For non-native speakers of English an IELTS score of 6.0 overall (with no element below 5.5 is required).

COURSE DESCRIPTION

This programme aims to provide a detailed knowledge and understanding of a specific academic area through rigorous research training. You will become acquainted with relevant historical theoretical issues and methods of interpretation and the use of evidence. It also provides you with the necessary research skills to carry out an original piece of historical research in the chosen area of study.

An MA will be awarded on successful completion of all 180 credits.

A Diploma will be awarded on the successful completion of the first 120 credits.

Compulsory Modules:

• Themes and Issues in History: Interpretations, Approaches and Debates

This module develops knowledge of relevant historical theoretical issues and methods of interpretation of the historical past.

• Documents and Sources

This module examines the wide range of evidence that historians use to reconstruct the past, and the problems and opportunities of interpretation.

One chosen from the following:

- Documents and Sources in Medieval and Early Modern History
- Documents and Sources in Modern History.

• Initiating a Research Project

This module explains how to begin a research project and ultimately produce a substantive and original research piece.

• Disseminating Research

Students engage with the dissemination of research by attending and critically analysing papers delivered as part of the History Research Seminar Series.

• Dissertation

The dissertation module gives you the opportunity to complete a piece of scholarly research on a subject of your choice and discussed in detail with a chosen supervisor.

Optional Modules:

- Normandy under the Normans, 911–1144
- Women and Power in the High Middle Ages
- National Identities in Britain and Ireland 1660–1800
- An Open Elite? Nineteenth-Century England and Wales
- The Development of Labour Politics
- War and Protest, 1914–2003
- The Inner City: Governance, Policy and Exclusion

CAREER PROSPECTS

An MA in History is a versatile qualification and will give you a detailed understanding of the discipline and the ability to conduct research at various levels of historical analysis. It will enhance your career opportunities in a range of professions in the media and communications industries, teaching, heritage and museums, public administration, publishing and research. The transferable skills acquired through this programme are beneficial in a range of other careers, including advertising, journalism, consulting etc. After successful completion of the MA in History you may also decide to pursue an academic career in History, by applying for a place to study for a PhD in History.

For further course details, please see:

www.bangor.ac.uk/go/pg/history

Welsh History MA

COURSE DURATION

MA: 1 year full-time, 2 years part-time;
Diploma: 30 weeks full-time.

ENTRY REQUIREMENTS

Good undergraduate degree at least 2.ii normally required.

For non-native speakers of English an IELTS score of 6.0 overall (with no element below 5.5 is required).

COURSE DESCRIPTION

This programme aims to provide you with a detailed knowledge and understanding of a specific academic area of the history of Wales through rigorous research training. You will become acquainted with relevant historical theoretical issues and methods of interpretation and the use of evidence. It also provides you with the necessary research skills to carry out an original piece of historical research in the chosen area of study.

An MA will be awarded on successful completion of all 180 credits.

A Diploma will be awarded on the successful completion of the first 120 credits.

Compulsory Modules:

• Themes and Issues in History

This module develops knowledge of relevant historical theoretical issues and methods of interpretation of the historical past.

• Documents and Sources

This module examines the wide range of evidence that historians use to reconstruct the past, and the problems and opportunities of interpretation. One module chosen from the following:

- Documents and Sources in Medieval and Early Modern History
- Documents and Sources in Modern History

• Initiating a Research Project

This module explains how to begin a research project and ultimately produce a substantive and original research piece.

• Disseminating Research

Students engage with the dissemination of research by attending and critically analysing papers delivered as part of the History Research Seminar Series.

• Dissertation

The dissertation module gives you the opportunity to complete a piece of scholarly research on a subject of your choice and discussed in detail with a chosen supervisor.

Option Modules:

One chosen from the following:

- The Age of Llywelyn ap Iorwerth
- The development of the Labour Party

CAREER PROSPECTS

An MA in Welsh History will give you a detailed understanding of the discipline of Welsh History and the ability to conduct research at various levels of historical analysis. It will enhance your career opportunities in media and communications industries, teaching, publishing and research.

The transferable skills acquired through this programme are beneficial in a range of other careers, including advertising, journalism, consulting etc. After successful completion of the MA in Welsh History you may also decide to pursue an academic career in history, by applying for a place to study for a PhD in Welsh History.

For further course details, please see:
www.bangor.ac.uk/go/pg/history

History / Welsh History / Archaeology / Heritage PhD/MPhil

COURSE DURATION

PhD: 3 years full-time; 4-6 years part-time;
MPhil: 2 years full-time; 4 years part-time.

ENTRY REQUIREMENTS

It is possible to join the PhD after successfully completing a Masters in a related subject (History/Welsh History/Archaeology/Heritage) at Bangor or elsewhere. Applicants who do not speak English as their native language: IELTS score of 6.0 overall (no element below 5.5). Students who have an overall score of 5.5 can take a summer pre-session course in the University's English Language Centre for Overseas Students (ELCOS).

COURSE DESCRIPTION

Those taking this degree are required to write a substantial and original thesis of up to 100,000 words for PhD, or 60,000 words for MPhil on a topic relating to History/Welsh History/ Archaeology/Heritage. You will receive research and transferable skills training from the University's Graduate Training Programme. You may also attend MA modules offered by the School and the College of Arts, Humanities and Business Graduate School. You will receive guidance from two supervisors.

CAREER PROSPECTS

This is a research programme. You can pursue an academic career in History/Welsh History/ Archaeology/Heritage. The high level analytical and research skills acquired during this degree are valued by employers in areas such as communications, media, museums and heritage industries, teaching, publishing as well as roles in research and development.



Linguistics and English Language

Established in 1960, our is one of oldest Linguistics departments in the UK. We provide a vibrant teaching and research environment, and is rare in the UK and internationally in terms of the areas of teaching and supervision that it offers. Students are taught and supervised by staff, all of whom are active researchers. Many of our staff are recognised as international leaders in their fields of expertise.

Our postgraduate programmes cover a wide range of theoretical and applied areas. While each MA and MSc course features compulsory training components, there are also a range of optional modules available. Students are supported in their learning by lectures, seminars and smaller tutorial groups, and are assessed in a range of ways, including research reports, and presentations. Learning is further supported by a virtual BlackBoard system, which features: a library of electronic reading resources that can be downloaded; discussion forums; lecture slideshows; and other handouts.

MA and MSc students progress through a taught component, comprising a range of compulsory and optional modules, before embarking on a significant individual research project. This culminates in a 20,000 word dissertation, supported through one-on-one tutorials by a supervisor.

PhD study is supported by regular tutorials with a supervisor, as well as a second supervisor who has relevant expertise. You will also be supported by a taught research training and development programme, and can also take subject-specific modules from the wide-range of postgraduate modules available through our taught programmes.

Strengths and expertise

With world-class expertise in this area - Bilingualism is a key research area. Our research expertise also extends to Language Development and Cognitive Linguistics.

Bilingualism is the study of the way speakers of two (or more) languages acquire and use their languages and how these languages are represented in the mind. Bangor University is situated in a truly bilingual region (Welsh-English). Members of staff conduct research on all aspects of bi/multilingualism, and adopt a multidisciplinary, empirically-informed perspective.

We offer state-of-the-art research facilities and a phonetics laboratory and are the only academic unit in the UK to offer an MA and a PhD in Bilingualism. Moreover, the study of Bilingualism is central to the Linguistics and English Language undergraduate curriculum.

Staff and facilities

Academic staff specialise in various aspects of speech and language disorders, first and second language acquisition, bilingualism, Welsh linguistics and cognitive linguistics. In addition, we are proud to have David Crystal as an Honorary Professor, who spends a full day in here each year giving a series of lectures on a range of language-related topics.

Our staff conduct research on a wide range of languages including English, French, Danish, German, Italian, Spanish, Greek, Lombard, Dutch and Welsh.

We house an extensive collection of books on Linguistics and English Language that is maintained by the Bangor Linguistics Society (a student run society), and we also have a phonetics laboratory which includes recording, speech analysis and audio facilities. We also offer dedicated office space for Bilingualism PhD students.

COURSE LIST:

MA

- Applied Linguistics for TEFL
- Bilingualism
- Linguistics

MSc

- Language Acquisition and Development

PhD/MPhil

- Bilingualism
- Linguistics

TO FIND OUT MORE:

Tel: +44 (0) 1248 382118

E-mail: pgadmissionscah@bangor.ac.uk

www.bangor.ac.uk/linguistics

Linguistics MA

COURSE DURATION

MA: 1 year full-time, 2-3 years part-time.

ENTRY REQUIREMENTS

A 2.ii undergraduate degree normally required. Applicants who do not speak English as their native language must pass the IELTS English test with a score of 6.0 (no element below 5.5).

COURSE DESCRIPTION

This course is for students with an undergraduate degree in any subject who want a qualification in linguistics. You also write a research dissertation on a topic of your own choice. To help you achieve this, the programme has a compulsory module on Research Training which includes training in specific linguistic research and general social science research.

Those who have a BA in Linguistics may be exempt from compulsory modules which they have already covered as part of their first degree, or may prefer to follow one of the other related MA modules

Compulsory Modules:

• Foundations of Linguistics 1 and 2

These modules provide an overview of the discipline of language science. In particular, they cover key ideas and methodologies in the study of meaning, grammar and sound as well as introducing students to the study of Language Acquisition, Psycholinguistics, Sociolinguistics and the History of English.

• Research Methods in Linguistics

This module aims at equipping you with the necessary foundations and tools to design and carry out experimental research within linguistics, as well as preparing for your dissertation.

Optional Modules vary from year to year, and include:

- Language Acquisition
- Bilingual and Acquisition Issues
- Grammatical Systems and Change
- Metaphor and Thought
- Psycholinguistics
- Models of Sentence Processing

- Welsh Linguistics
- Historical Linguistics
- Language Contact and Bilinguals
- Phonology in Bilingual Acquisition
- Language and Communication
- Language Disorders and Bilinguals
- Using Corpora: Theory and Practice
- L1 and L2 Sentence Processing

CAREER PROSPECTS

An MA in Linguistics will give you a detailed understanding of how language works and the ability to conduct research at various levels of linguistic analysis. Graduates find career opportunities in communications, teaching, publishing, research. The transferable skills acquired through this programme are beneficial in a range of other careers, including advertising, journalism, consulting etc. After successful completion of the MA in Linguistics, you may also decide to pursue an academic career in Linguistics, by applying for a place on the PhD in Linguistics.

For further course details, please see:

www.bangor.ac.uk/go/pg/linguistics

Applied Linguistics for TEFL MA

COURSE DURATION

MA: 1 year full-time, 2-3 years part-time.

ENTRY REQUIREMENTS

2.i undergraduate degree normally required in a relevant discipline and/or relevant professional experience. Applicants who do not speak English as their native language must pass the IELTS English test with a score of 6.5 in all four components. Students who have an overall score of 5.5 on the IELTS can take a summer pre-session course in the University's English Language Centre for Overseas Students (ELCOS) prior to beginning their MA.

COURSE DESCRIPTION

This course is designed for home or international students who wish to pursue a career in Teaching English as a Foreign Language (TEFL) to non-native speakers of English. It consists of a combination of taught modules and a research dissertation of 20,000 words.

The MA in Applied Linguistics for TEFL provides postgraduate-level training for students who wish to learn about the theoretical, practical, and teaching aspects of Teaching English as a Foreign Language (TEFL), as well as providing competence and critical understanding of a wide range of aspects of the English language and English linguistics (sociolinguistic aspects of English, the grammar, sound system and semantics of English, the history of English, 1st and 2nd language acquisition, psycholinguistics as well as issues pertaining to English as an international language and bilingualism).

This programme is specifically aimed at students seeking careers in multilingual and international contexts – where an awareness of and ability to deploy different genres of English communicational strategies is of the utmost importance.

Compulsory Modules:

- **EFL Theory**
This module introduces the theoretical basis of teaching English as a foreign language, and examines the core areas and issues faced by teachers and learners.
- **Foundations of Linguistics 1 and 2**
These modules provide an overview of the discipline of language science. In particular, they cover key ideas and methodologies in the study of meaning, grammar and sound as well as introducing students to the study of Language Acquisition, Psycholinguistics, Sociolinguistics and the History of English.
- **Teaching EFL**
This module introduces students to relevant teaching methodologies and equips them to evaluate and apply those methodologies. This is also a practical module where students observe actual teaching of non-native students and then do some teaching supported by a mentor.
- **Second Language Acquisition and Language Teaching**
This module examines how a second language is learned, and the processes involved.

• Research Methods in Linguistics

This module aims to equip students with the necessary foundations and tools to design and carry out experimental research within linguistics, preparing you for your dissertation.

Students with prior coursework in linguistics may be able to substitute Foundations of Linguistics 1 and 2 for the equivalent number of credits from a list of Optional Modules.

CAREER PROSPECTS

The course is suitable for those who wish to teach English as a foreign language for various professional purposes across the globe. In addition to gaining class-room experience you will also have the opportunity to develop strong research and analytical skills as well as the ability to adopt/use different strategies for communication and presentation in English in a range of multilingual and international contexts. Although this is not a formal teaching qualification, it gives students who wish to go on to teach English to non-native speakers the theoretical and linguistics background they need as well as offering practical, classroom experience. Opportunities exist to teach in countries all over the world, e.g. in universities, colleges or private language schools. After successful completion of the MA in Applied Linguistics for TEFL, you may decide to pursue an academic career and apply for a PhD.

For further course details, please see:

www.bangor.ac.uk/go/pg/linguistics

Bilingualism MA

COURSE DURATION

MA: 1 year full-time, 2-3 years part-time.

ENTRY REQUIREMENTS

A 2.ii undergraduate degree in Linguistics or a related area normally required. Applicants who do not speak English as their native language must pass the IELTS English test with a score of 6.0 (no element below 5.5).

COURSE DESCRIPTION

The MA in Bilingualism provides a programme of graduate-level study in the broad field of bilingualism as well as research training in this area. It consists of a taught component including a combination of core and optional modules, and a research dissertation of 20,000 words. The course provides a comprehensive, varied and flexible programme of training in multi-disciplinary topics associated with the study of bilingualism, including issues relating to language, education and cognition. The purpose of the course is to provide you with the necessary theoretical, analytical and methodological tools and skills to undertake advanced research in an area of bilingualism.

Compulsory Modules:

- **Research Methods in Linguistics**
This module aims to equip students with the necessary foundations and tools to design and carry out experimental research within linguistics, as well as preparing them for the dissertation.
- **Bilingualism Research & Methods**
This module exposes you to a range of theoretical issues and practical methods used in the study of bilingualism.

Optional Modules vary from year to year, and include:

- Language Contact and Bilinguals
- Language Acquisition
- L2 Speech Learning
- Bilingual and Acquisition Issues
- Psycholinguistics
- Second Language Acquisition
- Phonology in Bilingual Acquisition
- Models of Sentence Processing
- Welsh Linguistics

CAREER PROSPECTS

Multilingualism is a wide-spread phenomenon in many countries including the UK. An MA in Bilingualism will give you a detailed understanding of issues related to bilingualism and the ability to conduct research in this area. Graduates find career opportunities in communications, teaching, speech and language therapy, publishing, research, and the transferable skills acquired through this programme are beneficial in a range of other careers, including advertising, journalism, consulting etc. After successful completion of the MA in Bilingualism, you may also decide to pursue an academic career, by applying for a place on the PhD in Bilingualism.

For further course details, please see:

www.bangor.ac.uk/go/pg/linguistics

Language Acquisition and Development MSc

COURSE DURATION

MSc: 1 year full-time, 2-3 years part-time.

ENTRY REQUIREMENTS

A 2.ii undergraduate degree in linguistics or a related area normally required. Applicants who do not speak English as their native language must pass the IELTS English test with a score of 6.0 in all four components. Students who have an overall score of 5.5 on the IELTS can take a summer pre-session course in the University's English Language Centre for Overseas Students (ELCOS).

COURSE DESCRIPTION

This MSc course is the first master's programme in Wales to offer courses in typical and atypical language development in both monolingual and bilingual (simultaneous and sequential) populations. It consists of a taught component including a combination of core and optional modules, and a research dissertation of 20,000 words.

The course aims to develop your understanding of monolingual and bilingual development and acquisition in typically-developing children, and adults, as well as children with language impairments. The purpose of the MSc programme is to provide you with the necessary theoretical and methodological skills to undertake research in this field.

Compulsory Modules:

• Language Acquisition

The main objective of this module is to introduce you to central questions in language acquisition research (e.g. How do we learn the meaning of words? What are the advantages of bringing up a child bilingually? Are children better language learners than adults?). The focus will be on first language (L1) acquisition.

• Research Methods in Linguistics

This module aims at equipping you with the necessary foundations and tools to design and carry out experimental research within linguistics, as well as preparing for your dissertation.

Optional Modules vary from year to year, and include:

- L2 Speech Learning
- Bilingual and Acquisition Issues
- Second Language Acquisition
- Psycholinguistics
- Phonology in Bilingual Acquisition
- Language Contact and Bilinguals
- Language Disorders and Bilinguals
- L1 and L2 Sentence Processing

CAREER PROSPECTS

Successful completion of the programme will provide you with the requisite skills, understanding, and knowledge to work effectively and increase your employability in organisations working with bilingual populations and second language learners with and without language impairment, such as speech and language therapists and teachers.

For further course details, please see:

www.bangor.ac.uk/go/pg/linguistics

Linguistics / Bilingualism PhD/MPhil

COURSE DURATION

PhD: 3 years full-time; 5 years part-time;
MPhil: 2 years full-time; 3 years part-time.

ENTRY REQUIREMENTS

It is possible to join the PhD programme after successfully completing a Masters in Linguistics or related subject at Bangor or elsewhere. Applicants who do not speak English as their native language must pass the IELTS English test with a score of 6.0 in all four components. Students who have an overall score of 5.5 on the IELTS can take a summer pre-session course in the University's English Language Centre for Overseas Students (ELCOS).

COURSE DESCRIPTION

Linguistics PhD/MPhil:

This is a research programme. You will receive research and transferable skills training from the University's Graduate Training Programme. You may also attend modules/classes offered in Linguistics. You conduct research in an area of Linguistics, under the guidance of two supervisors, and submit a thesis at the end of the programme.

Bilingualism PhD/MPhil:

This is a degree scheme designed for those wishing to write their thesis on the topic of bilingualism. You will receive research and transferable skills training from the University's Graduate Training Programme. You may also attend modules on Linguistics and Bilingualism on offer. You will receive guidance from two supervisors.

CAREER PROSPECTS

This is a research degree, preparing you for an academic career in Linguistics / Bilingualism or for other work requiring highly qualified individuals in related areas. The high level analytical and research skills acquired during this degree will increase your employability in areas such as communications, teaching, publishing, research etc.

For further course details, please see:

www.bangor.ac.uk/go/pg/linguistics

Modern Languages and Cultures

The teaching of Modern Languages has featured in the University curriculum at Bangor ever since the University College of North Wales welcomed its first students in 1884. Our work is based on this solid and continuous tradition and we embrace and promote the best of what technology has to offer the language learner.

We offer one of the UK's broadest and most flexible ranges of degree courses in French, German, Italian, Spanish and Chinese – plus many combinations with other subjects. We also provide modules which allow all students within the University the opportunity to develop their language skills throughout their time at Bangor.

We offer postgraduate research supervision in a variety of areas and languages (French, German, Italian, Spanish, Galician, Catalan, Mandarin and Translation Studies) in a friendly and vibrant environment. We also host the Centre for Galician Studies in Wales and have close links with organisations all over the UK, Europe and the Far East.

In addition to our research forum which hosts a variety of guest speakers, we also organise regular events aimed specifically at fostering the research skills of our postgraduate students. Teaching opportunities are also available for postgraduate students interested in further developing their profile.

At Bangor you will find a lively and expanding postgraduate community, with modern languages students benefitting from a close-knit and supportive learning environment.

Research facilities

Our staff are internationally recognised researchers in their chosen fields, demonstrating a wide range of expertise and we are ranked 13th in the UK for Research (2014 REF). Collaborative projects across the different language areas provide for a vibrant and cross-disciplinary research culture which feeds directly into postgraduate teaching. Students interact regularly with staff through small group teaching and/or one-to-one tutorials, and students will normally have two project supervisors. Your supervisory team will encourage you to develop your research profile and career prospects by attending training events, presenting at international conferences and publishing your research.

At Bangor we boast excellent research support facilities including dedicated work stations and a broad range of media and library resources. You will be guaranteed full access to computing facilities, library provision and all departmental resources – including our extensive film library, subscriptions to foreign-language media, specialist language software and the Centre for Galician Studies library.

Overview of the academic areas covered

We currently offer both taught postgraduate degrees and research-based postgraduate degrees covering a broad range of specialist and interdisciplinary areas. These include Translation Studies, French and Francophone Studies (with specific expertise on 20th and 21st centuries), Iberian Studies (including Galician and Catalan), German Studies (with specific expertise on the post-1945 period), Italian Studies, Chinese Studies, Film Studies and Comparative Literature.

Expertise in cross-disciplinary areas is particularly strong in the fields of memory studies, minority languages and cultures, travel studies, urban cultural studies, cultural transfer, and translation and socio-political change.

COURSE LIST:

MA

- European Languages and Cultures
- Translation Studies

PhD/MPhil

- Chinese Studies
- French and Francophone Studies
- German Studies
- Italian Studies
- Hispanic Studies
- Translation Studies

PhD/MPhil by Practice

- Translation Studies

TO FIND OUT MORE:

Tel: +44 (0) 1248 382118

E-mail: pgadmissionscah@bangor.ac.uk

www.bangor.ac.uk/ml



STAFF PROFILE

Dr HELENA MIGUELEZ-CARBALLEIRA Senior Lecturer in Hispanic Studies

"As Director of Research Graduate Studies at the College of Arts, Humanities and Business, it is my great pleasure to oversee all aspects related to the academic life of doctoral researchers in these subjects at Bangor University. I ensure that all new postgraduate researchers receive a warm welcome to the College and that they have plenty of opportunities to develop their research, academic and professional skills in the areas that are most relevant to their projects. At the College of Arts, Humanities and Business, we consider postgraduate researchers integral to the life of the University and regularly hold events that centre upon (and celebrate!) their work and achievements.

"Originally from Galicia (Spain), I joined the School of Languages, Literatures and Linguistics here at Bangor University in 2005. I hold a first-class honours BA in English Studies from the University of Vigo (Galicia, Spain), as well as an

MSc in Translation Studies and a PhD in Hispanic Studies from The University of Edinburgh. I write about modern Spanish cultures and politics and it is on the strength of my research in this area that I have been invited to deliver postgraduate seminars and courses globally (at The Graduate Centre of the City University of New York and Princeton University, for example). I supervise students across a range of different disciplines (Translation Studies, Hispanic studies, Galician Studies) and have acted as External Examiner for postgraduate research theses at Oxford, Exeter, Bilbao, Santiago de Compostela and Auckland.

"Without a doubt, I find supervising doctoral researchers one of the most exciting aspects of academic life. Nothing quite compares to seeing a PhD student develop their research and, indeed, creating new knowledge and insight at the forefront of our disciplines!"

European Languages and Cultures MA

COURSE DURATION

MA: 1 year full-time; 2 years part-time.

ENTRY REQUIREMENTS

2.ii undergraduate degree in a relevant subject normally required. Applicants with equivalent qualifications or experience will also be judged on individual merit; work experience and other factors are also considered. Non-native speakers of English will normally be required to have IELTS 6.0 or above (no element below 5.5).

COURSE DESCRIPTION

This course aims to enable you to acquire an in-depth knowledge and understanding of non-Anglophone European cultures and identities within their socio-historical contexts and from a comparative perspective by analysing theories, films, literary works and historical sources in the original language. The course provides a varied, cross-cultural and flexible programme which allows students to specialise in specific aspects of European culture, such as literature, political and social history, critical theory, culture, national identity, cinema, memory studies and the visual arts.

We offer research supervision in a variety of areas and languages and provides research opportunities in a personal and vibrant interdisciplinary environment. Having completed compulsory modules in Research Methods and Modes of Critical Theory, you choose a language specific module from those on offer in any given year (in French, German, Italian or Spanish). These modules form the necessary preparation for the dissertation on a topic of personal interest. Assessment is by essays, seminar papers, presentations and a dissertation.

Compulsory Modules:

• Research Methods

This module develops skills in academic writing, presenting, and conducting bibliographic research in different language areas.

• Modes of Critical Theory

This module takes a thematic approach to critical modes of analysis and critical theories. Up to six themes are studied in a given academic year, including (but not limited to): theories of language, conflict, memory, the city, aesthetics, national identity and gender.

• Critical Theory in Practice

Building on Modes of Critical Theory, this module incorporates student-led case studies based on themes studied in semester 1, and requires some target-language academic writing to complement your analytical work.

Target Language Optional Modules, include:

- German Avant-Garde in the 20th and 21st Centuries
- Sites of Memory in Eastern Germany
- Visions of the City in French Cinema
- French Film and Comic Adaptation
- Translating Spain
- 20th Century Spanish Women's Writing
- Monsters of Spain

• Dissertation

20,000 words on a topic relevant to your chosen language specialism(s). This may be a comparative project across more than one language area.

CAREER PROSPECTS

This course is designed for those wishing to enhance their employment prospects or to pursue research interests relating to a European context, with a view to a specific career in a number of areas, such as national and international businesses, education, translating, cultural management or the media.

The course will equip you with a wide range of transferable skills, including skills in research and in written, oral and intercultural communication. It also provides the foundation for students who intend to continue their research at Bangor in the shape of a PhD qualification.

For further course details, please see:

www.bangor.ac.uk/go/pg/modernlanguages

Translation Studies MA

COURSE DURATION

MA: 1 year full-time; 2 years part-time.

ENTRY REQUIREMENTS

Entry to the MA in Translation Studies normally requires a 2.i undergraduate degree or equivalent in a relevant subject. However, applicants are judged on individual merit; work experience and other factors are also considered. Non-native speakers of English will normally be required to have IELTS 6.5 or above (no element below 6.0).

COURSE DESCRIPTION

The MA in Translation Studies not only provides excellent professional training, but also offers the opportunity to study in a bilingual country which hosts an intensive and stimulating research culture in Translation Studies. This course aims to prepare you both for professional careers in the translation industry and advanced academic research. The first semester provides theoretical and methodological underpinning through modules in Translation Studies and Research Methods. The practice-led modules in the second semester provide you with an opportunity to investigate various aspects of the profession and explore areas of personal interest. The dissertation project consolidates your learning either through research or translation practice. We offer supervision in a variety of research specialisms; the languages normally available include: Arabic Chinese, English, French, Galician, German, Italian, Spanish, Catalan and Welsh (please check the website or contact us for the most up-to-date list).

We work closely with the University's Canolfan Bedwyr (Centre for Translation Services) to provide Welsh-related modules.

Compulsory Modules:

• Research Methods

This module develops knowledge of intermediate and advanced research methods at postgraduate level.

• The Making of a Discipline

This module equips you with the necessary skills, knowledge and understanding to pursue independent research in the area of Translation Studies or other related disciplines.

Optional Modules (students choose one Content Module and one Practice Module):

Content Modules:

- Translation in Practice
- Translation and Creative Writing

Practice Modules:

- Translation Practice Portfolio (from any of our language specialisms into English/Cymraeg)

RESEARCH LINKS/LINKS WITH INDUSTRY

The programme is closely linked with the local translation industry. Canolfan Bedwyr provides opportunities for site visits and work placements. Further links with the translation industry are also being developed outside Wales.

CAREER PROSPECTS

You will be prepared for a range of careers as translators within public organisations, such as the European Commission, as well as in private commercial companies and translation agencies. You may also consider careers in other areas that require advanced language and communication skills such as marketing, public relations, technical writing or language teaching. If you wish to further your study subsequently, there is an opportunity to continue in Bangor with either a practice-led or a research-based doctorate in Translation Studies.

For further course details, please see:

www.bangor.ac.uk/go/pg/modernlanguages

COURSE DURATION

PhD: 3–4 years full-time; 6 years part-time;
MPhil: 2 years full-time, 3 years part-time.

ENTRY REQUIREMENTS

Applicants should normally have a first or upper second class honours undergraduate degree and a Masters degree in a relevant subject. Non-native speakers of English will normally be required to have IELTS 6.5 or above (no element below 6.0). Applications are always considered individually, and applicants are also judged on their individual merits, work experience and other relevant qualifications. Students with an overall score of 5.5 on the IELTS can take a summer pre-session course in the University's English Language Centre for Overseas Students (ELCOS).

COURSE DESCRIPTION

We offer research-based postgraduate degrees covering a broad range of specialist and interdisciplinary areas within French, German, Hispanic, Italian, Chinese and Translation Studies. The close working relationship between these areas creates high levels of interdisciplinarity and extensive cross-cultural research, which is displayed through research expertise in literary studies, film studies, visual culture, historical studies and translation. Co-supervision of comparative topics can also be offered. Research specialism within the fields of translation studies and minority cultures and languages also provide for a research culture which is particularly suited to the bilingual community of north Wales.

You will normally be assigned two supervisors and are guaranteed full access to computing facilities (including translation memory software), library provision, and resources including the film library. Bangor has a long tradition of excellent student support. We have a lively and expanding postgraduate community, and students work in a close-knit and supportive environment.

We are able to offer supervision of postgraduate degrees by research in the following areas:

French and Francophone Studies:

- French film
- Multiculturalism, immigration and national identity in modern France
- Adaptation studies
- Minority and regional identities
- Contemporary popular culture
- French language Comic Art

German Studies:

- German Romanticism
- German/Spanish literary relations (19th C)
- East German history, society and politics
- Representations of memory in contemporary Germany
- German Avant-Garde and Neo Avant-Garde
- Literature of the 20th and 21st Centuries

Italian Studies:

- Contemporary Italian Studies
- The Mafia in Italian society
- Organised crime in Italy

Hispanic Studies:

- The Spanish 19th century
- 20th and 21st century peninsular literature
- Spanish comics
- Iberian travel writing
- Hispanic women writers
- Galician Studies
- Nations and Nationalisms in Spain
- Spanish cinema
- Catalan Studies
- Hispanic Visual Cultures

Chinese Studies:

- Intercultural Communication
- Chinese Applied Linguistics
- Translation Studies
- Western representations of China

(PhD/MPhil by Research or by Practice)

A PhD or MPhil by Research in Translation Studies can include a wide range of subjects on translation theory, history and practice, covering a range of European languages (German, French, Spanish, Italian) and Chinese. Due to the expertise of academic staff, certain topics would be particularly relevant. These include: translation and minority languages (with expertise in the Welsh, Galician and Catalan contexts available); translation and gender; sociological approaches to translation practice and contexts, or translation and the creative industries (journalism, film, media and creative writing).

A PhD or MPhil by Practice in Translation Studies would combine a completed translation of a critical/creative piece of work plus a dissertation, including: 1) a critical analysis/commentary of the translation and its context; and 2) critical piece engaging with Translation Studies which stands as a contribution to the field.

CAREER PROSPECTS

Successful completion of a PhD or MPhil enhances employment prospects and opens up opportunities in a broad range of areas, including higher education, translating, cultural policy and management, the media, journalism, the publishing sector, national and international businesses.

For further course details, please see:

www.bangor.ac.uk/go/pg/modernlanguages



Music

Bangor University has a long tradition of academic and creative excellence in Music, going back to 1921. Our postgraduate community is ideally sized to foster discourse and collaboration in a convivial atmosphere. Staff and postgraduates meet weekly for research seminars and social activities. We have strong links with employers, and our graduates have gone on to secure jobs in a wide range of prestigious organisations including broadcasters, orchestras and opera companies, schools, publishers and recording companies. Others enjoy successful careers as freelance performers and composers, and a significant number of former research students have gone on to academic positions.

Academic activity covers the full gamut of musical scholarship and creativity, and is complemented by a vibrant programme of extracurricular performance (choirs, orchestras, early music and new music ensembles, an opera group, etc.). In collaboration with Pontio – Bangor's arts and innovation centre – we curate an extensive and varied concert series, including visits from world-class performers such as Freddy Kempf, Catrin Finch, Mahan Esfahani, the Allegri String Quartet and the BBC National Orchestra of Wales. We also host an annual festival of new music.

Uniquely in Wales, we have a genuinely bilingual atmosphere. Most of our postgraduate music courses can be studied through the medium of English or Welsh.

Strengths and expertise

Our musicological expertise covers over 1,000 years of music history, from plainchant to punk rock. We have particular specialisms in early music, music since 1900, minimalism, and the music of Wales. We also have strengths in ethnomusicology and popular musicology. Composition is interpreted in its widest sense, encompassing contemporary 'classical', electroacoustic, popular, and applied composition (including film music). The performance of music is central to the life of the department, both as a soloist and in large and small ensembles. We also teach and research applications of music, such as music in health and well-being, and community music.

Staff and facilities

Our 11 members of academic staff are all active as researchers, scholars or practitioners and teach directly from their own expertise as musicologists, composers and performers. The 2014 Research Excellence Framework (REF) graded 81% of our published research as internationally excellent or world-leading – confirming our status as one of the world's leading university music departments. Several staff members have received awards recognising their excellence as teachers and communicators.

Part of the School of Music and Media, the Music Department is situated at the heart of the university. Our newly refurbished main building houses a recital hall, seminar rooms, exhibition space, archival holdings, quiet work rooms and cosy social spaces. Our studios are located in the University's Main Arts Building next door, where you will also find our concert halls, library resources, and cafés. Practice facilities are based in an adjacent Victorian villa, comprising both soundproofed and more airy practice rooms of varying sizes – and including a room with two grand pianos and a specialised practice room for percussion instruments.

The 200-seat Powis Hall, 450-seat Bryn Terfel Theatre, and 520-seat Prichard-Jones Hall are all equipped with concert grand pianos (two Steinway Ds and a Bösendorfer Imperial). We also have two organs and a collection of harpsichords. Our library holds over 3000 CDs, 20,000 scores, and a large collection of books on music. We also have electronic subscriptions to major journals and to online resources such as *Grove Online* and the *Naxos Music Library*. Specialist collections include the Archive of Welsh Traditional Music, the Welsh Pop Archive, and the unique Peter Crossley-Holland Collection of world music instruments. We have two fully-equipped 8-channel studios for the composition of electroacoustic music, as well as a recording studio and a film music studio. Postgraduate students have their own dedicated work room in the main Music building.

COURSE LIST:

MA

- Music
- Music with Education

MMus

- Composition and Sonic Art
- Performance

MA/MMus by Research

- Music

PhD/MPhil

- Music

TO FIND OUT MORE:

Tel: +44 (0) 1248 382118

E-mail: pgadmissionscah@bangor.ac.uk

www.bangor.ac.uk/music-and-media

Overview of the academic areas covered

Our taught Masters programmes allow students to specialise in musicology, ethnomusicology, composition, performance, or music education. The **MA in Music** is for those wishing to study music history, music in society, and/or musical analysis. Our **MMus in Performance** is ideal for those seeking to further develop skills in the sphere of professional performance, while the **MMus in Composition and Sonic Art** enables students to develop creativity and technical skills in composing for voices, instruments, electronics, or any combination of these. The **MA in Music with Education**, which is taught in collaboration with the School of Education and Human Development, allows students to select modules from a range of options in both Schools, and also includes an optional placement in a local school or college.

On all of these programmes teaching is delivered through a blend of group seminars and workshops, one-to-one supervision, and directed private study. Work placements are often available, and a Bangor Masters degree makes an ideal preparation for doctoral study.

Research degrees (**MA by Research, MPhil and PhD**) may be undertaken by musicologists, composers or performers, leading to the submission of a thesis, a portfolio of compositions, and/or a series of performances. Research students take responsibility for their own research and creative practice, but are supported in their endeavours by means of fortnightly individual supervision and research training. There are many opportunities to work closely with employers and other external organisations. Opportunities for research students to contribute to undergraduate teaching are often available, with full training provided by the University.

COURSE DURATION

1 year full-time; 2 years part-time.

ENTRY REQUIREMENTS

A first degree at 2.ii standard or higher (or equivalent) is required. Candidates with a 2.ii degree must however achieve a 2.i in a substantial project in their chosen area of study (e.g. a dissertation). Applicants may be asked to submit a piece of written work of 3,000–5,000 words that can either be: 1) a discussion of a selected topic from music history or ethnomusicology; or 2) an analysis of a selected composition. The essay must be academic in style, and must include footnotes and a full bibliography.

Applicants who do not speak English as their first language must pass the IELTS English test with a score of 6.0 (with no element below 5.5).

COURSE DESCRIPTION

The MA in Music allows you to develop musicological and related skills through a programme of generalised and specific study. All students take the Current Musicology module, through which you will become familiar with the latest techniques and discourses in the discipline. This module is complemented by two case studies (one in each semester), chosen from a range of options growing out of staff specialisms, allowing you to experience musicological research at the cutting edge.

Current options include:

- Music in Society
- Contemporary Music Practice
- Music in Text and Context

In the second semester, you will also complete a supervised Independent Research Project on a topic of your own choice. This leads to the Part II Project, which normally takes the form of a dissertation, though it is also possible to complete a critical edition or an analysis. Teaching is provided through a combination of individual tuition and small-group seminars.

RESEARCH LINKS / LINKS WITH INDUSTRY

You will work closely with established researchers, many of whom have international profiles. We enjoy close links with industrial and third-sector partners such as the Royal Liverpool Philharmonic Orchestra, Venue Cymru and the North Wales Jazz Society, and it is often possible for students to undertake a work placement during the course of the programme.

CAREER PROSPECTS

The MA in Music will give you a taste for original research, and will provide you with subject specific knowledge and academic skills that will set you on course for further study at PhD level and beyond. The programme will also equip you with skills in critical thinking, analysis and communication which are valued by employers both within and outside the field of music. Recent graduates have pursued successful careers as writers, editors, arts administrators, teachers, educational advisers, performers, and business people.

For further course details, please see:

www.bangor.ac.uk/music-and-media



STAFF PROFILE

Professor PWYLL AP SIÔN

Pwyll ap Siôn is a musicologist and composer whose research interests include music of the late twentieth and early twenty-first centuries, Minimalism and post-Minimalism, the use of borrowing and quotation, and popular music in Wales.

"It's a very exciting time to be doing research at Bangor University. Our broad staff base allows us to offer a very wide range of specialisms. My colleagues are world-leading researchers in areas that include everything from medieval chant right up to performance and composition with live electronics. Back in the day when I was a student, opportunities to study a wide range of music and its applications were very limited.

Today the possibilities are endless, with almost everything on offer – from early music to cutting-edge research in health and wellbeing to film and acousmatic composition. Whether you want to acquire the necessary tools to complete a traditional research degree in musicology, or are keen to experiment in the studio, or are looking to develop vocational skills for a career in the arts, Bangor has it covered.

The size of the University is very conducive to co-operation, across different disciplines. Students enjoy a congenial and open-minded atmosphere, which is very conducive towards research and academic development. Colleagues and postgraduate students form part of a genuine scholarly community.

Although Bangor forms a great base for intensive research we are equally committed to taking our research out into the world. Both staff and students regularly present their work at international conferences and we hold conferences here every year, often co-organised with our postgraduate students.

At postgraduate level, research feeds directly into teaching and supervision. My own publications on the music of Michael Nyman, Steve Reich and Philip Glass have attracted research postgraduates to Bangor. We are also passionate about communicating our research to a wider community of readers. I regularly review CDs and books for *The Gramophone* music magazine. We live in exciting times where diversity is celebrated and music at Bangor is no exception."

Music with Education MA

COURSE DURATION

1 year full-time. This programme is not available part-time.

ENTRY REQUIREMENTS

A first degree in Music at 2.ii standard or higher (or equivalent) is required. Candidates with a 2.ii degree must however achieve a 2.i in a substantial project in their chosen area of study (e.g. a dissertation, a portfolio of compositions, or an extended recital). Musicologists may be asked to submit a piece of written work of 3,000–5,000 words that can either be: 1) a discussion of a selected topic from music history; or 2) an analysis of a selected composition. The essay must be academic in style, and must include footnotes and a full bibliography. Composers may be asked to submit representative samples of their creative work (normally two or three pieces); these can be notated scores, or audio recordings, or both, and may be sent on paper, as a data DVD, or via a weblink such as Dropbox. Performers will be asked to audition or, where this is not feasible, to submit a recent unedited recorded video performance, featuring contrasting repertoire (25–30 minutes). A sample of academic work may also be requested from performers.

Applicants who do not speak English or Welsh as their first language must pass the IELTS English test with a score of 6.0 (with no element below 5.5).

COURSE DESCRIPTION

The MA in Music with Education allows you to develop skills and knowledge in the theory and practice of teach music to others. You will take modules in the University's School of Education and Human Development, from a range of options, typically including: Curriculum Development, Educational Leadership and Management, and Sociology of Childhood Youth. (Non-native English/Welsh speakers may replace one of these with advanced English-language classes). You may also take an optional placement in a local school or college. In the Music Department, you choose two modules from a wide range of Music in Text and Context; Music in Society; Instrument/Singing Studies; Composition; Performance; Contemporary Music Practice; and, Independent Research Project.

The Part II Project, which is completed over the summer, is similarly flexible in format. It will normally include a dissertation element, and may also include a lecture-recital, a portfolio of compositions for educational use, pedagogical materials for your voice or instrument, or an alternative format agreed in advance with the lecturing staff.

Teaching is provided through a combination of individual tuition and small-group seminars.

RESEARCH LINKS / LINKS WITH INDUSTRY

You will work closely with established researchers, many of whom have international profiles. The School of Music and Media enjoys close links with industrial and third-sector parties such as Venue Cymru, Ensemble Cymru and the BBC; in addition both the School of Music and Media and the School of Education and Human Development share well established partnerships with local primary and secondary schools, where many teachers of music are our graduates.

CAREER PROSPECTS

The MA in Music with Education acts as a bridge between a Music degree and a professional career in music education. It will give you valuable insights that will prepare you for a postgraduate teacher training qualification. Alternatively, the programme will set you on the road to further research in music education, at PhD level and beyond. The course will also equip you with skills in critical thinking, analysis and communication which are valued by employers both within and outside the fields of music and education.

For further course details, please see:
www.bangor.ac.uk/music-and-media

Composition and Sonic Arts MMus

COURSE DURATION

1 year full-time, 2–5 years part-time.

ENTRY REQUIREMENTS

A first degree at 2.ii standard or higher (or equivalent) is required. Candidates with a 2.ii degree must however achieve a 2.i in a substantial project in their chosen area of study (e.g. a portfolio of compositions). Applicants may be asked to submit representative samples of their creative work (normally two or three pieces). These can be notated scores, or audio recordings, or both, and may be sent on paper, as a data DVD, or via a web-link such as Dropbox.

Applicants who do not speak English as their first language must pass the IELTS English test with a score of 6.0 (with no element below 5.5).

COURSE DESCRIPTION

The MMus in Composition and Sonic Art allows you to develop skills and knowledge across a range of musical styles and genres, and to hone specialist skills in your chosen area, whether this is composition for voices and/or instruments (with or without electronics), electroacoustic composition and sonic art, or composing for film. In each semester you will take a supervised independent Composition project in your chosen style and medium. These modules are complemented by Composition in Context (Semester 1), in which you will become familiar with the latest developments in composition and with the concept of creative practice as research, and Contemporary Music Practice (Semester 2), in which you will share ideas with musicologists and performers.

The Part II Project, completed over the summer months, normally takes the form of a substantial original composition, or a coherent portfolio of works.

Teaching is provided through a combination of individual tuition and small-group seminars.

RESEARCH LINKS / LINKS WITH INDUSTRY

You will work closely with professional composers and established researchers, many of whom have international profiles. We enjoy close links with industrial and third-sector partners such as Music Theatre Wales, the BBC National Orchestra of Wales and Blipfonica, and it is often possible for students to undertake a work placement during the course of the programme.

CAREER PROSPECTS

The MMus in Composition and Sonic Art will allow you to develop a strong original voice in an academic environment, and is an ideal preparation for further creative work at PhD level and beyond. The programme will also equip you with skills in critical thinking, creativity and communication which are valued by employers both within and outside the field of music. Recent graduates have pursued successful careers as professional composers, arrangers, music typesetters, arts administrators, teachers, educational advisers, performers, and business people.

For further course details, please see:
www.bangor.ac.uk/music-and-media

COURSE DURATION

1 year full-time, 2 years part-time

ENTRY REQUIREMENTS

A first degree at 2.ii standard or higher (or equivalent) is required. Candidates for this programme must be able to demonstrate excellent performance skills; most will have either an excellent grade in an undergraduate final-year recital (good 2.i or higher), a high mark in DipABRSM (or equivalent) or at least a pass at LRSM (or equivalent). Applicants will be asked to audition or, where this is not feasible, to submit a recent unedited recorded video performance featuring contrasting repertoire (25-30 minutes). A sample of academic work may also be requested.

Applicants who do not speak English or Welsh as their first language must pass the IELTS English test with a score of 6.0 (with no element below 5.5).

COURSE DESCRIPTION

The MMus in Performance is for you if you are already a proficient instrumental or vocal performer, and wish to refine your skills and extend your knowledge. On this programme, you will undertake Performance projects in both semesters, leading to a short recital at the end of each one. In Semester 1, you will also study theories, practices and the history of performing in Performance and History. In Semester 2, you can choose from a range of options which will enhance your knowledge of repertoires and their historical contexts. Options include Music in Society, Contemporary Music Practice or a supervised Independent Research Project on a topic of your choice.

The Part II Project consists of a public recital lasting 50-60 minutes, normally given in late September of the following academic year.

Teaching is provided through a combination of individual tuition and small-group seminars. MMus Performance students receive 36 hours of specialist instrumental or vocal tuition over the course of the programme, in addition to workshops and masterclasses.

RESEARCH LINKS / LINKS WITH INDUSTRY

You will work closely with professional performers and established researchers, many of whom have international profiles. We enjoy close links with industrial and third-sector partners such as Welsh National Opera, the Royal Liverpool Philharmonic Orchestra and Ensemble Cymru, and it is often possible for students to undertake a work placement during the course of the programme.

CAREER PROSPECTS

The MMus in Performance will widen your experience of performing and will develop your academic skills in relation to your practice. The programme will equip you for further study of performance and/or musicology at PhD level and beyond. It will also equip you with skills in creativity, self-discipline, analysis and communication which are valued by employers both within and outside the field of music. Recent graduates have pursued successful careers as professional performers, concert promoters, arts administrators, teachers, educational advisers, performers, and business people.

For further course details, please see:
www.bangor.ac.uk/music-and-media



Music MA/MMus by Research

COURSE DURATION

Registration period (excluding write-up year):
1 year full-time; 2 years part-time.

ENTRY REQUIREMENTS

A first degree at British Bachelor's standard (or equivalent), normally in the first-class category. Applicants are required to present a proposal for their research project (including research questions, methodology, and a literature review). All applicants will be asked to submit samples of their written work. Applicants for MMus by Research will also be asked to submit examples of their recent relevant activity as performers or composers (for performers, this may take the form of a recent unedited video performance of around 30 minutes' duration). Applicants who do not speak English or Welsh as their first language must pass the IELTS English test with a score of 6.5 (with no element below 6.0).

Candidates are accepted on both the strength of their academic performance at Bachelor's level, and on the originality and feasibility of their research proposal.

COURSE DESCRIPTION

Structure of Programme

Our Masters by Research degrees involve undertaking a scheme of study and research, defined in advance (normally by the student), which will normally be (a) a critical evaluation and analysis of a body of knowledge, and/or (b) an original contribution to the field. For MA by Research, the area of investigation may be historical, analytical, philosophical, critical, or empirical in nature. For MMus by Research, projects normally involve composition or performance as a major part of the research process and submission.

Each student has a supervisory committee, consisting of a principal supervisor, a personal tutor, and another staff member with relevant expertise. Research students have regular meetings with their principal supervisor (normally once a fortnight), and are welcome to consult other members of their committee as appropriate. They are encouraged to present reports on their work in seminars and colloquia during their period of study.

Submission for MA by Research

A submission for MA by Research traditionally takes the form of a thesis, not exceeding 50,000 words in length. If the submission includes non-textual materials (such as a critical edition), the word length is normally reduced.

Submission for MMus by Research

A submission for MMus by Research normally comprises a textual submission (setting out research questions, methodology and findings, and explaining how the practice-based work demonstrates research outcomes, and not

exceeding 15,000 words), in addition to one of the following:

- Composition: A portfolio of compositions, consisting of around 60 minutes of music.
- Performance: A public recital of around 50–60 minutes' duration.

Final assessment is by means of a *viva voce* examination by an appointed panel consisting of an internal examiner from within the School (not identical with members of the supervisory committee), one external examiner who is an expert in the field, and a chair.

RESEARCH LINKS/LINKS WITH INDUSTRY

We have long experience of establishing collaborative links, often combined with funding. Recent Masters by Research projects have been carried out in association with organisations such as Venue Cymru and the National Waterfront Museum.

CAREER PROSPECTS

During the programme, students will attain mastery of their field and be in a position to make a significant and original contribution to their subject area. Many students go on to undertake postgraduate research at PhD level. The independent, self-motivated and self-directed nature of the learning process qualifies graduates for managerial positions, professional research roles, high-level creative occupations, and academic careers.

For further course details, please see:

www.bangor.ac.uk/music-and-media

Music PhD/MPhil

COURSE DURATION

Registration period (excluding write-up year) –
PhD: 3 years full-time, 6 years part-time; MPhil: 2 years full-time; 4 years part-time.

ENTRY REQUIREMENTS

A degree at British Masters's standard (or equivalent), normally at Merit or Distinction. Applicants are required to present a proposal for their research project (including research questions, methodology, and a literature review). Applicants will be asked to submit samples of their written work. Those whose proposed projects include composition and/or performance will also be asked to submit examples of their recent practice (normally a portfolio of compositions in score or audio format, or a recent unedited video performance of around 45 minutes' duration). Applicants who do not speak English or Welsh as their first language must pass the IELTS English test with a score of 6.5 (with no element below 6.0).

Candidates are accepted on the strength of their academic performance and on the originality and feasibility of their research proposal.

COURSE DESCRIPTION

Our PhD and MPhil degrees involve undertaking a scheme of original research, defined in advance (normally by the student), which has the potential to make a new and substantial contribution to musical knowledge and understanding. The research may be historical, analytical, philosophical, critical, empirical or creative in nature, and may optionally involve practice-based activity (usually composition and/or performance) as a major or minor element of the research process and submission.

Each student has a supervisory committee, consisting of a principal supervisor, a personal tutor, and another staff member with relevant expertise. Research students have regular meetings with their principal supervisor (normally once a fortnight), and are welcome to consult other members of their committee as appropriate. They are encouraged to present reports on their work in seminars and colloquia during their period of study.

Recent successful projects have included an empirical study of girls' choirs in British cathedrals, a semiotic study of Steve Reich's compositional method in his 'Counterpoint' pieces, a critical edition and stylistic assessment of the sacred music of John Weldon (1676–1736), the development and application of generative programming techniques in the field of electroacoustic composition, a historical assessment of the professional activity of the Welsh musician Clara Novello Davies (1861–1943), and the creation and performance of a series of compositions for harp.

Submission

A PhD or MPhil submission traditionally takes the form of a thesis, not exceeding 100,000 words in length for PhD, or 60,000 words for MPhil. With the prior approval of the student's supervisory committee, the submission may additionally include non-textual materials, such as critical editions, graphical analyses, compositions (in score and/or audio formats), and/or musical performances, and these will normally entail a reduction in the word count for the written element of the submission. Applicants are invited to contact us for further advice on this. Non-textual elements are assessed in terms of their success in demonstrating research outcomes; it

is not sufficient merely to demonstrate high-level technical skills as an editor, analyst, composer or performer, the possession of which is taken for granted at this level.

Final assessment is by means of a *viva voce* examination by an appointed panel consisting of an internal examiner from within the School (not identical with members of the supervisory committee), one external examiner who is an expert in the field, and a chair.

RESEARCH LINKS/LINKS WITH INDUSTRY

We have long experience of establishing collaborative links, often combined with funding. Recent PhD and MPhil projects have been carried out in association with organisations such as the Royal Liverpool Philharmonic Orchestra, the Arts & Humanities Research Council, and Venue Cymru.

CAREER PROSPECTS

A postgraduate research degree is the highest attainable study qualification. During the programme, students will make a significant and original contribution to their subject area and become a leading expert in this field. The learning process, although supervised, is independent, self-motivated and self-directed. Together with their subject-specific expertise, this qualifies graduates for managerial positions, professional research roles, high-level creative occupations, and academic careers.

For further course details, please see:

www.bangor.ac.uk/music-and-media

Philosophy and Religion

Studying Philosophy and Religion at Bangor offers students the opportunity to study some of the most important and challenging ideas in philosophy that have shaped western and eastern cultures and to consider how they interrelate with religious thought. Developed from a longstanding tradition in these subject areas in the University since the nineteenth century, we provide a friendly, supportive and informal atmosphere that will enable students to cultivate the skills of debate and independent thinking. Students will benefit from personal attention with one-to-one supervision.

We offer postgraduate research programmes with the option of face-to-face supervision at Bangor, or by distance learning. The **distance learning programmes** are particularly attractive for international students who wish to pursue research with us but wish to remain in their home countries, and for those home students who find regular travel to Bangor unfeasible. These programmes make use of Bangor's online facilities, and close contact with a personal supervisor throughout the duration of the programme (via e-mail, Skype, and/or telephone).

Overview of the academic areas covered

The expertise of Philosophy and Religion staff lies broadly in the areas of Western philosophy and both Western and Eastern religions, and includes philosophy of religion, ethics and psychoanalytic studies.

All of the postgraduate programmes require the student to write an extended piece of research on a subject of their choice in consultation with their supervisor. Applicants will need to identify their potential supervisor in advance and submit a research proposal that outlines their intended research questions and topic of study. We are more than happy to discuss your interests prior to you writing your proposal.

Staff and facilities

Staff are internationally recognised experts in their chosen field. They serve as editors or on the editorial boards of leading international journals, and are deeply committed to passing on their knowledge in an interesting and lively way in order to enhance the learning experience.

Since both religion and philosophy have been taught at Bangor for over a hundred years, the library is particularly well stocked with books and periodicals.

COURSE LIST:

MRes by Distance Learning

- Philosophy and Religion

PhD/MPhil

- Philosophy and Religion

TO FIND OUT MORE:

Tel: +44 (0) 1248 382118

E-mail: pgadmissionscah@bangor.ac.uk

www.bangor.ac.uk/spar



Philosophy and Religion MRes

COURSE DURATION

1 year full-time; 2 years part-time.
Can be taken by Distance Learning.

ENTRY REQUIREMENTS

Bachelor's degree at 2.i or higher is normally required. Possession of a suitable professional qualification or other relevant experience may also be accepted.

IELTS score of 7.0 (with no component below 6.5) or equivalent if your first language is not English or Welsh.

COURSE DESCRIPTION

This research degree is tailor-made to suit your interests in consultation with the areas of expertise offered. It comprises two parts:

Part One:

Students will write two essays, each of 5000 words (30 credits each) from a choice of the topics listed below. The essay titles and content will be decided in consultation with your supervisor. All students will have full support from a designated supervisor (those studying via Distance Learning will receive support via e-mail, telephone, Skype, or other means that are mutually convenient).

Topic List:

- Eastern Philosophy and Religion
- Islam
- Religious fundamentalism
- Political Philosophy (including social theory such as Marx, Weber, Rawls etc.)
- The Enlightenment
- The Philosophy of Nietzsche
- Psychoanalytic Studies
- Jungian Theory
- Ethical Theory
- Applied Ethics
- Religious Experience

The list of available topics is subject to change and often updated. Please see our website, or contact us for details.

Part Two:

This comprises a supervised dissertation of 40,000 words (120 credits). The subject of the dissertation will be decided by you in consultation with your supervisor. It is usually expected that the subject will relate to the broad range of topics listed in Part 1.

CAREER PROSPECTS

Those wishing to teach religion or philosophy in schools or in institutions of Higher Education will find the programme especially beneficial. Many who pursue the programme will enter various careers in the public or private sector.

It is anticipated that international students from non-Western cultures will find this degree helpful in working in international organisations and businesses. Some students may wish to proceed to doctoral study and pursue an academic career in a university setting.

For further course details, please see:

www.bangor.ac.uk/go/pg/philosophyandreligion

Philosophy and Religion PhD/MPhil

COURSE DURATION

PhD: 3 years full-time; 5 years part-time;
MPhil: 2 years full-time; 4 years part-time.
Can be taken by Distance Learning.

ENTRY REQUIREMENTS

To be accepted on to an MPhil degree you will be expected to have gained a 2.i degree or above in Philosophy and/or Religion or a related subject. To be accepted for a PhD degree students will either have attained a Masters degree in Philosophy and/or Religion or in a related subject or have an exceptional undergraduate degree and demonstrate an ability to complete an independent and original research project.

IELTS score of 7.0 (with no component below 6.5) or equivalent if your first language is not English or Welsh.

COURSE DESCRIPTION

The aim of the **MPhil degree** is that you will have gained substantial specialist knowledge of a particular discipline and/or historical period, as a basis for more detailed research. You will have developed independent research skills appropriate for an academic post or a career in advanced research and written a substantial thesis, which may be extended subsequently into a thesis at doctoral level.

The aim of the **PhD degree** is to assist you to complete a major piece of research in the area of Philosophy and/or Religion, and to demonstrate suitable academic attainments for appointment to a university-level teaching or research post. At the end of the programme, you will possess a good general knowledge of the particular field of learning within which the subject of the thesis falls and will have made a significant, original and substantial contribution to research.

For both degree programmes, you will receive research and transferable skills training from the University's Graduate Training Programme. (Does not apply if you take these programmes by distance learning).

You will be assigned a supervisor, whose duty it is to provide advice about the choice of subjects and on any questions relating to your academic work. Teaching is by means of individual tuition, according to the circumstances and the discretion of the supervisor. Arrangements vary from case to case. Advice can also be given by e-mail or telephone but you will need to meet your supervisor on a regular basis in order to discuss your progress.

CAREER PROSPECTS

This is a research degree, preparing you for an academic career in religion or philosophy or for other work requiring highly qualified individuals in related areas. The high level analytical and research skills acquired during this degree will increase your employability in areas such as communications, teaching, publishing and research.

For further course details, please see:

www.bangor.ac.uk/go/pg/philosophyandreligion

Welsh

The survival of Welsh in the modern era – both as a living spoken language and a dynamic literary medium – is truly remarkable, and Wales' development as a vibrant bilingual nation means that there has never been a more exciting time to study the language and its literature at postgraduate level.

Bangor University is located in an area where over 60% of the population speak and use Welsh: the unique linguistic environment matched by no other university makes Bangor an excellent place to study a living Celtic language and its literature.

Bangor University's contribution to the growth of modern Welsh scholarship and learning has been immense. It was here that John Morris-Jones compiled his monumental *Welsh Grammar* (1913), which forms the basis of the modern literary language, and between the 1930s and 1960s, it was at Bangor that Ifor Williams produced the first modern scholarly editions of the earliest Welsh poetry. Bangor also had an instrumental role in the production of three of the outstanding reference works of contemporary Wales: *The Welsh Academy English-Welsh Dictionary* (1995), *Dictionary of the Place-Names of Wales* (2007), and the *Welsh Academy Encyclopaedia of Wales* (2008).

Staff and facilities

Our staff are leading international experts in their fields of study. Their publications range from studies and editions of the earliest works in the language to ground-breaking work on the recent literature of Wales. We have expertise in all major fields of Welsh literature, including Welsh literature in English and Welsh-language literature written in other countries. Among our staff are some of contemporary Wales's leading creative writers.

Students can take advantage of the University's excellent IT Services, together with the extensive collection of books, journals and manuscripts in our Library and Archives. Many journals are available online to students in full-text format, and we also have databases, videos and CDs, micro material and web-based access to e-books, e-journals and other resources.

Overview of the academic areas covered

If you have undergraduate experience of studying literature (or related fields such as comparative literature, folklore or mythology), we would love to hear from you. Wales' unbroken literary tradition begins with world-famous medieval highlights such as the tales of the Mabinogion (including the earliest Arthurian legends), the heroic poetry of the Book of Aneirin and the love and nature poetry of Dafydd ap Gwilym. During the twentieth century, writers such as T. Gwynn Jones, Saunders Lewis, Kate Roberts, T.H. Parry-Williams and others gave a dynamic new direction to the literature of Welsh, fully engaging with European modernity and post-modernity. The study of Welsh literature – especially if you are relatively unacquainted with it – will give you fresh insights into the cultural heritage of Britain and Europe.

You may have an interest in the social history of Celtic and other minority languages, and the manner of their survival in the modern world. How did Welsh survive the Industrial Revolution? What was the fate of the Welsh diaspora in North America (where the Welsh-language press was immensely productive)? What is the connection between Welsh and the growth of nationalism in modern Wales? How does a literature respond to minoritisation and devolution, and how does a minority literature respond to the challenges of twenty-first century life? If you are intrigued by such questions, it is likely that a postgraduate course at Bangor is for you.

A great merit of our MA courses is their flexibility: they are designed to allow a free choice of topics within the broad parameters of the discipline. If, for example, you are primarily interested in medieval literature, your course will be structured accordingly. If, on the other hand, you wish to study modern Welsh literature or pursue the social history of Welsh, our MA course will be able to accommodate your academic interests. Our MA 'The Celts' is inter-disciplinary and co-taught with academic staff who have expertise in fields such as History, Archaeology and the English-language literature of Wales. Students have also chosen to study topics such as 'Celtic' identity in modern Galicia, taking advantage of Bangor University's Expertise in Iberian Studies.

Research for the degree of MPhil or PhD may be conducted in the main fields of Welsh literature from the medieval period to the present, for example: early court poetry; Welsh saga poetry; the tales of the Mabinogion; Dafydd ap Gwilym; the poets of the princes and the Welsh gentry; the prophetic tradition; aspects of literature and society 1500–1900; the Welsh diaspora and Welsh culture of north America; the modern Welsh novel; modern Welsh poetry; modern Welsh theatre. Within these fields, a broad range of themes are possible, from the more traditionally philological to experimental theoretical approaches.

COURSE LIST:

MA/Diploma

- Cymraeg/Welsh
- Y Celtiaid/The Celts
- Literatures of Wales*

PhD/MPhil

- Cymraeg/Welsh

* Please see page 22 for course details

TO FIND OUT MORE:

Tel: +44 (0) 1248 382118

E-mail: pgadmissionscah@bangor.ac.uk

www.bangor.ac.uk/ysgolygymraeg

Learning Welsh

The language of tuition will be either Welsh or English (depending on your requirements). Where necessary, texts may be studied in translation. Our MA The Celts features, as a core element, training in a Celtic language (usually Welsh) and other courses may be adapted to enable you to develop your linguistic skills.

For students who have no knowledge of Welsh prior to enrolment, we work in close partnership with the University's Welsh for Adults Unit, which has a host of courses and opportunities to learn the language. If you wish to take advantage of this tuition, your needs will be assessed as part of the application process. Before embarking on your postgraduate course you may choose to take advantage of the Welsh for Adults Unit's intensive three-week summer school.

Y Celtiaid/The Celts MA

COURSE DURATION

MA: 1 year full-time; 2 years part-time;
Diploma: 30 weeks full-time.

ENTRY REQUIREMENTS

Entry to the MA programme normally requires a 2.ii undergraduate degree in a relevant subject or equivalent qualification (e.g. literature, history, folklore, mythology, comparative literature, archaeology, anthropology). Possession of a suitable professional qualification and relevant practical experience may also be accepted. Applicants are judged on individual merit, work experience and other factors are also considered.

IELTS overall score of 6.0 (no single component below 5.5) or equivalent is usually acceptable for those who wish to study this course through the medium of English.

COURSE DESCRIPTION

'Celtic' brings to mind the intricacies of Bronze Age jewellery, the massive structures of Stonehenge and Newgrange, the legends of Arthur and Cú Chulainn and the Bardic craft of medieval kings and princes. But 'Celtic' is also about the Renaissance, the Enlightenment and the New World; Romanticism, Revolution and the struggles for survival in modernity of entire national identities.

This MA gives you the opportunity and ability to sift fact and fiction, and to study in detail the question: 'Who were – and who are – the Celts?' How can we discuss such questions, with what methodology and with what evidence? How has the word itself ('Celt', 'Keltoi', etc.) been used through the centuries, from Classical historians to modern pop musicians? What is 'Celtic culture',

during various periods in history, and what is its relevance today?

The course is taught by experts across various fields: for instance, Welsh, Irish, History, Archaeology, Iberian Studies. With options to study areas such as language, literature, archaeology, religion, mythology, antiquarianism and music, students can explore the culture and identity of the 'Celtic' peoples from the hillforts of prehistory to the devolved and independent parliaments of today. The specific focus of the course of study (especially in the case of the final dissertation) will depend upon your particular interests.

Sample Modules:

• The Celt: Sources of Evidence

This module introduces the main sources for information about the 'Celts', based on two different definitions of 'Celtic': (i) the use of the word itself ('Celt', 'Keltoi', etc.) in identification or self-identification; and (ii) the prime sources concerning attitudes to the history and identity of the 'Celts' (defined as those peoples who speak or spoke a Celtic language in the Modern period).

• Celtic Institutions

This module explores the main aspects of medieval 'Celtic' literacy, in poetry and prose, across a range of genres from the prose legends and the court poetry to the laws and the vitae (Lives of Saints and rulers). The main focus is on Wales and Ireland, but the other Celtic languages may also be considered. Equally, we consider the continuation of these early traditions into the modern period and up to the current day.

• The Creation of the Modern Celt

This module explores how the concept of the 'Celt' and the 'Celtic' was used and manipulated in the Modern period. Considering a wide range of discourses (e.g. linguistics, archaeology, anthropology, art, music, literature, politics), we explore what is considered as 'Celtic' material in these various fields, and discuss the main arguments which have been forwarded in the course of defining the term.

Optional Modules:

A wide range of optional modules are available for students wishing to pursue specific research interests (e.g. history, archaeology, music, medieval literature, contemporary aspects).

Further Information:

Tuition in a Celtic languages is a core element of the teaching provision. This tuition will be tailored to the level of your previous experience – from absolute beginner to advanced. Training is also provided in research methodology.

CAREER PROSPECTS

You will acquire a wide range of transferrable skills, enabling you to proceed to a variety of career paths, including all those normally associated with graduates in the Humanities. Those who wish to pursue academic interests will gain a sound basis to enable progress to PhD level.

For further course details, please see:

www.bangor.ac.uk/go/pg/welsh

Cymraeg/Welsh MA

COURSE DURATION

1 year full-time; 2 years part-time.

ENTRY REQUIREMENTS

Our MA course is suitable for students who already have fluency in Welsh and for those who aim to acquire – in a rigorous academic context – a greater understanding of the language, its literature and of Welsh culture in general.

For those who have no previous experience of studying Welsh at university level, a good first degree, preferably in the humanities or social sciences, is required. However, applicants will be judged on individual merit and all relevant experiences will be considered.

COURSE DESCRIPTION

Our MA in Welsh is a long-established and successful course which combines a practical grounding in postgraduate and research training with the opportunity to concentrate on a specific and chosen field of study. Whilst maintaining its own distinct identity, the MA course is also a means of laying foundations for a subsequent PhD project in terms of training provision and thematic context.

You study for an MA in Welsh by the traditional route of essay and dissertation. The first part comprises three course essays (3 x 4,000–6,000 words) which should display a solid grasp of the broad outlines of your chosen field of study; the second part is the dissertation (20,000 words) comprising original research based in part on primary material. During Semester 1 you will also follow an induction course on research methodology in the field of Welsh.

The great strength of our MA course is its flexibility and the fact that it allows a free choice of topics within the broad parameters of the discipline. If you are primarily interested in medieval Welsh literature – the Gododdin, the Mabinogion, or Dafydd ap Gwilym, for example – your course will be structured and tailored accordingly and you will have a dedicated course supervisor, who will be an expert in your chosen field of study. If, on the other hand, you wish to undertake a study of modern Welsh literature and culture, or aspects relating to the language itself, we will be able to accommodate your academic interests. We also warmly welcome students who wish to embark on a structured Welsh MA course which may be comparative in nature, linking the study of Welsh with areas such as English literature, medieval studies, European languages, language revitalization, Arthurian studies, history, religion, philosophy, gender studies, political theory and nationalism.

Course Modules:

- Individual Study I
- Individual Study II
- Individual Study III
- Dissertation

CAREER PROSPECTS

Wales is a bilingual country in which English and Welsh are legally recognised as official languages. In fields as varied as education, language planning, media and journalism, the civil service, the heritage industry, public relations and marketing there is a great demand for graduates who have competence in Welsh and an ability to work in a bilingual environment.

You will acquire a wide range of transferrable skills, enabling you to proceed to a variety of career paths, including all those normally associated with graduates in the Humanities. Those who wish to pursue academic interests will gain a sound basis to enable progress to PhD level.

For further course details, please see:

www.bangor.ac.uk/go/pg/welsh

COURSE DURATION

PhD: 3 years full-time; 5 to 6 years part-time;
MPhil: 2 years full-time; 4-5 years part-time.

ENTRY REQUIREMENTS

Entry to our PhD/MPhil programme requires a good first degree and an MA in Welsh, Celtic Studies, or a closely related area.

COURSE DESCRIPTION

An **MPhil** allows for two full academic years of research, leading to a dissertation of up to 30,000 words. You are free to pursue your own course of research, decided upon in consultation with the School and your academic advisor.

Our **PhD** programmes are usually 3 years of full-time study with a 60,000 to 100,000 word thesis being submitted at the end of the third year. Recent PhDs have been completed in fields covering the whole range of Welsh-language literature, from the Middle Ages (e.g. court poetry, medieval Welsh proverbs, bardic lore and education) to the work of living contemporary authors, and on areas as diverse as popular culture, the history of Welsh and language planning, feminist studies and the editing of eighteenth-century Interludes. Welsh-language research is of course not limited to the geography of Great Britain, and Bangor has produced much important research into the literature and culture of the Welsh-speaking Americas.

We run an exchange programme with Harvard University's Department of Celtic Languages and Literatures, enabling students from each institution to spend a semester studying at the other. Harvard is recognised as one of the leading educational establishments in the world, and in addition to world-leading research facilities in most areas of the Humanities, its libraries contain outstanding collections of Welsh and Welsh-language materials.

For further course details, please see:
www.bangor.ac.uk/go/pg/welsh



STAFF PROFILE

Dr ALED LLION JONES Senior Lecturer in Welsh

"I had been teaching Welsh and Celtic Studies in universities in Poland, Ireland and the USA before coming to Bangor. I tend to work on the border between literature and philosophy, and my main research work, while being focussed on medieval Welsh poetry and prose, studies this material using international perspectives taken from the philosophy of literature and literary theory. I also teach the Irish Language and aspects of its literature.

Working in Bangor is a pleasure on many levels, and it has been great to return to Wales, to an area of such beauty and such linguistic richness. The School's intellectual calibre, and the commitment of its lecturers and administrators, together with the collegiality of the research community, ensure an unparalleled experience of teaching and learning.

The languages of the world are a major part of our shared global heritage, and here at Bangor it is a pleasure to contribute to international discussions which acknowledge the place of the Welsh language and its literature at the heart of European – and wider – cultural concerns.

At the same time, this does not mean losing touch with the local and the particular, and in many ways such concerns are central to these discussions, especially in a part of Wales where the 'minority' Welsh language is still the language of a majority."

Bangor Business School

Bangor Business School is one of the major European university schools for financial and banking studies, offering a full range of disciplines from undergraduate to doctoral level. We are rated amongst the top 25% of business schools in the UK for research intensity (REF 2014), and in the top 25 in the world for banking research (RePEC).

Students are attracted by our reputation for high quality and expertise, particularly in the area of Banking and Financial Services. Our teaching and research have not only been highly rated by external agencies, but also by our students and the businesses that employ our graduates. We have a proven track record in producing highly skilled and highly employable postgraduates, with the broad range of abilities that employers require from new recruits.

Staff and facilities

Bangor Business School's top researchers and senior staff, also teach on Masters programmes. This means that students will receive lectures from academic staff who are pushing back the frontiers of research.

During recent years, our staff have undertaken policy work and consultancy linked to their research for organisations as diverse as the European Commission, World Bank, IMF, UK Treasury, European Central Bank, Deutsche Bundesbank, Spanish Savings Bank Association, and many other national and international organisations. Staff research papers and articles are published regularly in leading journals and their books published to a worldwide audience.

Overview of the academic areas

Our excellent record in postgraduate teaching is reflected in the innovative nature of our degree programmes, and the performance of our students at Masters and PhD levels. We established the first MA in Banking and Finance offered by any UK university in 1973, and, more recently, we were the first to offer MBAs in Banking and Finance and Islamic Banking and Finance.

Postgraduate students can choose between several types of higher degree programmes and subjects. These include taught MSc, MA and MBA degrees in the fields of Accounting, Banking, Finance, Islamic Banking and Finance, Business, Management and Marketing, as well as programmes involving the study of Consumer Psychology, Computer Science, Environmental Science and Law. We also run a highly successful programme for students who wish to study for the research degrees of MPhil or PhD.

A number of attractive scholarships and bursaries are on offer to encourage well-qualified and talented students to reach their full potential.

Career Prospects

Graduates have excellent prospects for pursuing employment in a wide range of roles in the accounting, business, banking and financial sectors of the global economy. The programmes' emphasis on practical insights enhances students' employability and enables students to develop a range of transferable skills which are widely sought in the above sectors. For example, students develop technical skills in conducting independent research and in working in a team.

Graduates of Bangor Business School have an impressive track record of employability and some of our alumni are now employed in senior positions across the globe, from Downing Street and Deutsche Bank to Accenture Luxembourg and the Cayman Islands Monetary Authority.

Links with Industry

We place significant value on our links with industry. Our academic staff have a wide range of links with business, banks and international financial institutions. We also enjoy strong links with professional bodies such as the ACCA, the Chartered Banker Institute, the Chartered Insurance Institute and the Chartered Institute of Securities and Investment.

Demonstrating our commitment to teaching of the highest quality and to developing student career opportunities, distinguished guest speakers are regularly invited to Bangor to deliver lectures and to share their experiences with our students.

Trading Floor

The Trading Floor at Bangor Business School utilises simulation software and real-time financial databases, providing the opportunity to embed trading into teaching and learning where appropriate. The Trading Floor will provide first-hand experience of utilising industry standard tools, which will help in acquiring practical skills for the workplace.

English language requirements

International applicants are normally required to provide evidence of English language proficiency.

The minimum English requirements are:

- IELTS 6.0
(with no individual score lower than 5.5).
For PhD/MPhil:
- IELTS 7.0
(with no individual score lower than 6.5).

Applicants who have not achieved the required level can take English language courses at the University's English Language Centre prior to their course - see elcos.bangor.ac.uk

Some programmes are available on a part-time basis for those living / working locally. Please email us for more information.

All module information is correct at the time of going to print and is subject to change. Please refer to the website for the most current information.

COURSE LIST:

MSc

- Accounting*
- Accounting and Banking*
- Accounting and Finance*
- Banking and Finance*
- Banking & Finance (Chartered Banker)
- Business with Consumer Psychology[#]
- Finance*+
- International Media and Management
- Investment Management*+
- Islamic Banking and Finance*
- Management and Finance**[#]
- Research Methodology

MA

- Banking and Finance*
- Banking & Finance (Chartered Banker)
- Banking and Law
- Business and Marketing[#]
- Business with Consumer Psychology[#]
- Management and Finance**[#]

MBA

- Banking and Finance*
- Banking and Law
- Environmental Management[#]
- Finance*+
- Information Management[#]
- International Business[#]
- International Marketing[#]
- Islamic Banking and Finance*
- Law and Management[#]
- Management[#]

PhD/MPhil

- Accounting, Banking, Economics, Finance, Management Studies

* Chartered Financial Analyst (CFA) Pathway

These degree programmes provide the opportunity to follow the CFA specialist pathway and to acquire the skills to complete the CFA Level 1 examination.

+ 10 Month Option

Only available for September intake
CFA Pathway option is NOT available for 10 month programmes

CMI Accreditation

Students studying these programmes will graduate with the dual award of a Bangor University Masters and a Level 7 CMI qualification in Strategic Management and Leadership.

Bangor Business School's **Management Centre** offers first class professional training courses and conference facilities:

www.bangor.ac.uk/management_centre

TO FIND OUT MORE:

Tel: +44 (0) 1248 382085

E-mail: business.pg@bangor.ac.uk
www.bangor.ac.uk/business

[@BangorBizSchool](https://facebook.com/BangorBusinessSchool)

Accounting MSc

COURSE DURATION

MSc: 1 year full-time. This programme is available to start in either January or September.

ENTRY REQUIREMENTS

Applicants should have a good first degree (2.ii or higher) or equivalent from a university or another approved degree-awarding body. Non-graduate qualifications deemed to be of a satisfactory standard for the purpose of postgraduate admission may also be considered. Work experience is desirable.

Prior study of accounting (as part of the first degree, for example) or experience of working within the field of accounting is essential.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

The MSc in Accounting aims to develop an individual's understanding of the role of accounting for decision-making both inside and outside organisations.

The course involves advanced study of organisations, their management, the role of accounting for internal and external users, and the changing external context in which they operate. Students will develop the ability to apply knowledge and understanding of accounting to complex issues.

Compulsory Modules:

• Accounting Theory

This module critically evaluates the various theories in accounting. Students will gain understanding of how these theories can be used to explain the behaviour of preparers and users of accounting information.

• Research Methods

This module develops knowledge of intermediate and advanced research methods, and provides a basis in research methodology for those who may eventually wish to pursue research degrees.

• International Taxation: Policy and Practice

This module aims to identify the distinctive characteristics of tax system design; to review the principles of taxation; to examine tax policy and public economics; to compare international tax systems; to evaluate tax administration; and to calculate capital, income and consumption tax liabilities for individuals and businesses.

• Financial Analysis

On this module, students will analyse the techniques that are used to evaluate a company's financial position and performance, and develop a critical awareness of the uses of financial data by capital markets for valuation purposes.

• Management Accounting

This module will enable students to understand appropriate management accounting techniques and methods and provide them with the ability to apply them.

• Advanced Financial Reporting & Regulation

This module will enhance students' understanding of advanced topics in financial reporting and regulation within the context of International Accounting Standards and GAAP.

Plus choose 1 of the following:

- MSc Dissertation
- Financial Seminar Series
- Financial Research & CFA Series (CFA pathway only)

Optional Modules – choose 2:

- Corporate Risk Management
- International Financial Management
- Islamic Accounting and Financial Reporting
- Investment Strategy & Portfolio Management
- Merger and Acquisition

CAREER PROSPECTS

Graduates of Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

Accounting and Banking MSc

COURSE DURATION

MSc: 1 year full-time. This programme is available to start in either January or September.

ENTRY REQUIREMENTS

Applicants should have a good first degree (2.ii or higher) or equivalent from a university or another approved degree-awarding body. Non-graduate qualifications deemed to be of a satisfactory standard for the purpose of postgraduate admission may also be considered. Work experience is desirable.

Prior study of accounting (as part of the first degree, for example) or experience of working within the field of accounting is essential.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

The MSc in Accounting and Banking will enable students to develop an advanced knowledge of accounting and banking, which will be of particular interest to students who wish to pursue a career in the financial industry.

The overall aim of the course is to develop an integrated understanding of the role of banking and accounting for decision-making both inside and outside organisations. Students will undertake an advanced study of organisations, including financial institutions, their management, the role of accounting for internal and external users, and the changing external context in which they operate. Students will develop the ability to apply their knowledge and understanding of accounting and banking to complex issues.

Compulsory Modules:

• Accounting Theory

This module critically evaluates the various theories in accounting. Students will gain understanding of how these theories can be used to explain the behaviour of preparers and users of accounting information.

• International Banking

This module examines the origins of international banking, the activities of international banks, the markets in which they participate, and the sources of risk in international banking.

• Research Methods

This module develops knowledge of intermediate and advanced research methods, and provides a basis in research methodology for those who may eventually wish to pursue research degrees.

• Financial Analysis

On this module, students will analyse the techniques that are used to evaluate a company's financial position and performance, and develop a critical awareness of the uses of financial data by capital markets for valuation purposes.

• Advanced Financial Reporting & Regulation

This module will enhance students' understanding of advanced topics in financial reporting and regulation within the context of International Accounting Standards and GAAP.

• Bank Financial Management

This module provides a grounding in the nature, strategic context and managerial functions of financial management in banks, and other financial services firms.

Plus choose 1 of the following:

- Dissertation
- Financial Seminar Series
- Financial Research & CFA Series (CFA pathway only)

Optional Modules – choose 2:

Choose 1 from:

- Corporate Risk Management
- Financial Ethics & Regulation

Choose 1 from:

- International Financial Management
- Management Accounting

CAREER PROSPECTS

Graduates of Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

Investment Management MSc

COURSE DURATION

MSc: 1 year full-time. A 10 month version of this programme is also available. Students will study 5 modules in the Autumn and 5 modules in the Spring.

ENTRY REQUIREMENTS

Candidates should have a good first degree (2.ii or higher) or equivalent from a university or another approved degree-awarding body. Non-graduate qualifications deemed to be of a satisfactory standard for the purpose of postgraduate admission may also be considered. Work experience is desirable.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

The MSc in Investment Management offers students a sound knowledge of the theoretical foundations that underpin modern investment and risk management techniques, and prepares them for entry into the fast-growing investment management industry. The programme aims to cover the traditional syllabus of a Masters degree in Finance whilst providing students with advanced level management and business training in specialised areas of investment, such as the management of equity and bond portfolios; trading techniques; risk management; management of foreign exchange and derivative securities; and emerging markets investment. Students will benefit from a unique opportunity to use various online databases available in Bangor Business School, such as Bloomberg, DataStream and SNL.

Students will acquire advanced, specialised knowledge and skills across a range of investment applications at strategic and operational levels. They will develop intellectual skills and research expertise in the area of investment analysis and portfolio management; technical skills relevant to financial markets' operation and management; critical skills in examining advanced level theories and empirical evidence; computational skills in financial service activity; and analytic skills in exploring the efficient markets hypothesis.

Compulsory Modules:

• Current Issues in International Finance

This module deals with the important current issues in international finance, with focus being placed on current research findings and published papers from international journals.

• International Financial Markets

This module provides an introduction to finance theory, and its practical applications for investors, analysts and portfolio managers.

• Research Methods

This module provides the student with knowledge of intermediate and advanced qualitative and quantitative research methods, and provide a basis in research methodology.

• Credit Risk Analytics

This module examines the theory and practice of credit risk analytics and decision science in financial institutions. Particular emphasis will be placed on topical areas within quantitative methods and regulatory requirements.

• Investment Strategy & Portfolio Management

This module analyses portfolio strategies to

effectively control risk and enhance returns; develops intellectual skills and research expertise in investment analysis and portfolio management; and demonstrates appropriate modelling techniques for investment decision-making and risk management.

• Financial Analysis

This module analyses the techniques that are used to evaluate a company's financial position and performance, and develops a critical awareness of the uses of financial data by capital markets for valuation purposes.

Plus choose 1 of the following:

- MSc Dissertation
- Financial Seminar Series
- Applied Financial Projects (30 credits)*
- Financial Research & CFA Series (CFA pathway only)

*Students on the 10 month programme must take this option

Optional Modules – choose 2:

- International Financial Management*
- Financial Econometrics
- Corporate Risk Management *
- Merger and Acquisition
- Financial Ethics and Regulation

*Students on the 10 month programme must take these modules and an additional 2

CAREER PROSPECTS

Graduates of Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

Accounting and Finance MSc

COURSE DURATION

MSc: 1 year full-time. This course offers both January and September intakes.

ENTRY REQUIREMENTS

Entry to the MSc Accounting and Finance programme requires a good undergraduate degree in a relevant subject, (e.g. Accounting, Banking, Finance, Business, Management or Marketing) from a university, or a similar qualification from another institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits. Work experience and other factors are also considered.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

Changes in the business environment create the need for individuals wishing to pursue a senior management role to be aware of contemporary accounting and finance developments. Understanding these theoretical and practical issues is critical for managers who often have to make rapid and far-reaching decisions about the short-term financial operations and long-term strategies of firms.

The MSc in Accounting and Finance offers you a unique opportunity to develop an appreciation of the causes and significance of current developments in the financial and corporate sectors, and to study advanced theory and

practice relating to accounting and finance. The aim of the programme is to provide graduates, and other individuals who have practical accounting and financial training, with the knowledge and skills necessary to pursue a senior level professional career in accounting, financial services or related sectors of the economy.

The programme is designed to develop your existing skills through a scheme of specialist advanced study. An important objective is to provide you with relevant analytical training, so that you are familiar with the latest theoretical and practical developments relating to accounting and finance. The programme provides a coherent theoretical framework for the various subject areas, but the emphasis throughout is on advanced practical application of accounting and financial techniques in a real-world setting.

Compulsory Modules:

• Research Methods

This module develops knowledge of intermediate and advanced research methods, and provides a basis in research methodology for those who may eventually wish to pursue research degrees.

• Accounting Theory

This module critically evaluates a widespread and widely based set of theories that underpin any explanation of accounting behaviour and accounting regulatory output.

• International Financial Markets

This module provides an introduction to finance theory, and its practical applications for investors, analysts and portfolio managers.

• Advanced Financial Reporting and Regulation

This module provides an advanced treatment of the main theoretical principles underlying financial reporting, and the practical implications of alternative regulatory regimes.

• Financial Analysis

This module analyses the techniques that are used to evaluate a company's financial position and performance.

• Management Accounting

This module provides an understanding of the uses of financial data in measuring and evaluating business performance, and in setting the strategic aims of the organisation.

Plus choose 1 of the following:

- Dissertation
- Financial Seminar Series
- Financial Research & CFA Series (CFA pathway only)

Optional Modules – choose 2:

- Corporate Risk Management
- Islamic Accounting and Financial Reporting
- Financial Econometrics
- International Financial Management
- Investment Strategy and Portfolio Management
- Merger and Acquisition

CAREER PROSPECTS

Graduates of Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

COURSE DURATION

MSc/MA/MBA: 1 year full-time. All three streams offer both January and September intakes.

ENTRY REQUIREMENTS

Entry to the MSc/MA/MBA Banking and Finance requires a good undergraduate degree in a relevant subject (e.g. Accounting, Banking, Finance, Business, Management and Marketing) from a university, or a similar qualification from another institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits. Work experience and other factors are also considered. For MBA degrees, whilst work experience is desirable, it is not essential.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

Banking and financial services represents a highly competitive and rapidly changing sector in every modern economy. Changes in customer requirements, technology, competitive conditions and regulation create the need for managers, traders and analysts to make rapid and often far-reaching decisions about their short-term operations and long-term strategies. These programmes offer you a unique opportunity to study advanced theory and practice relating to financial services, and to develop an appreciation of the causes and significance of current developments in this vitally important and dynamic sector of the economy.

The MSc/MA/MBA Banking and Finance programmes are designed to develop your existing skills through a scheme of specialist advanced study. An important objective is to provide you with relevant analytical training, so that you are familiar with the latest theoretical and practical developments relating to banking, finance and capital markets. These degrees provide a coherent theoretical framework for the various subject areas, but the emphasis throughout is on advanced practical application of the financial techniques in a real-world setting.

The **MSc** degree may be more suitable for applicants with some previous background in mathematics, statistics or econometrics, while the **MA** degree is more suitable for applicants who prefer to adopt a predominantly non-quantitative approach to their studies. The **MBA** will develop knowledgeable and capable executives, who will move quickly into key positions in the financial sector. The degree focuses on the financial and strategic management of banks and other financial institutions. Case studies and contemporary issues figure prominently in the MBA programme.

ESRC Recognition

The MSc/MA Banking and Finance programmes are recognised by the Economic and Social Research Council (ESRC) as the first year of a 1+3 PhD training programme.

Compulsory Modules (MSc):

• Research Methods

This module develops knowledge of intermediate and advanced research methods, and provides a basis in research methodology for those who may eventually wish to pursue research degrees.

• Bank Financial Management

This module provides a grounding in the nature, strategic context and managerial functions of financial management in banks, and other financial services firms.

• International Financial Markets

This module provides an introduction to finance theory, and its practical applications for investors, analysts and portfolio managers.

• International Banking

This module examines the origins of international banking, the activities of international banks, the markets in which they participate, and the sources of risk.

• Financial Econometrics

This module provides advanced coverage of econometric methods and practices that are used to model financial and business data.

• Credit Risk Analytics

This module examines the theory and practice of credit risk analytics and decision science in financial institutions. Particular emphasis will be placed on topical areas within quantitative methods and regulatory requirements.

Plus choose 1 of the following:

- MSc Dissertation
- Financial Seminar Series
- Financial Research & CFA Series (CFA pathway only)

Optional Modules (MSc) - choose 2:

- Investment Strategy and Portfolio Management
- Merger and Acquisition
- Market Risk Analytics

Compulsory Modules (MA):

• Research Methods

This module develops knowledge of intermediate and advanced research methods.

• Bank Financial Management

This module provides a grounding in the nature, strategic context and managerial functions of financial management in banks, and other financial services firms.

• International Financial Markets

This module provides an introduction to finance theory, and its practical applications for investors, analysts and portfolio managers.

• International Banking

This module examines the origins of international banking, the activities of international banks, the markets in which they participate and the sources of risk.

• International Financial Management

In this module the financial management of multinational companies and the influence of macroeconomic, fiscal, currency and political environments on business and financial decision-making are examined in a global context.

Plus choose 1 of the following:

- MA Dissertation
- Financial Seminar Series
- Financial Research & CFA Series (CFA pathway only)

Optional Modules (MA) - choose 3:

- Corporate Risk Management
- Financial Analysis
- Investment Strategy and Portfolio Management
- Merger and Acquisition
- Financial Ethics & Regulation

Compulsory Modules (MBA):

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• Management Research

This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• Bank Financial Management

This module provides a grounding in the nature, strategic context and managerial functions of financial management in banks and other financial services firms.

• International Banking

This module examines the origins of international banking, the activities of international banks, the markets in which they participate, and the sources of risk.

• Merger and Acquisition

This module introduces the theoretical and institutional aspects of merger and acquisition and provides theoretical basis for an empirical analysis of governance issues concerned with merger and acquisition incentives and outcomes.

Plus choose 1 of the following:

- MBA Dissertation
- Applied Business Projects
- Financial Research & CFA Series (CFA pathway only)

Optional Modules (MBA) - choose 3:

- International Strategic Management
- Market Risk Analytics
- International Financial Management
- Investment Strategy & Portfolio Management
- Financial Ethics & Regulation

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

COURSE DURATION

MA/MBA: 1 year full-time. These courses offer both January and September intakes.

ENTRY REQUIREMENTS

Entry to the MA/MBA in Banking and Law requires a good undergraduate degree in a relevant subject, (e.g. Law, Banking, Economics, Finance, Accounting or Management) from a university, or a similar qualification from any other institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits. Work experience and other factors are also considered. For MBA degrees, whilst work experience is desirable, it is not essential.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

In today's global competitive marketplace, the successful corporate executive needs to understand how the legal system and legal regulation can impact on their own area of expertise. Accordingly, the Bangor Business and Law Schools have combined to offer an innovative suite of interdisciplinary MBA and MA programmes.

The **MA in Banking and Law** is an interdisciplinary programme that will enable you to study key legal and regulatory developments affecting the financial sector. This includes the regulation of financial services, security instruments, corporate finance, arbitration and other issues affecting modern banks at UK, EU and international level. The MA degree is suitable for those who wish to adopt a predominantly non-quantitative approach to their studies.

The **MBA in Banking and Law** will develop knowledgeable and capable banking executives and banking lawyers who will move quickly into key positions in the financial sector. The degree focuses on the financial and strategic management of banks and other financial institutions as well as the increasingly complex legal and regulatory structures within which banks and their executives have to operate. The legal issues will cover a wide range of topics at UK, EU and international level with which a modern banker needs to be familiar. Case studies and contemporary issues figure prominently in the programme, particularly focusing on the lessons to be learnt from the recent 'credit crunch' and the issues for international financing and regulation that this has thrown up.

Compulsory Modules (MA):

• Research Methods

This module develops knowledge of intermediate and advanced research methods, and provides a basis in research methodology for those who may eventually wish to pursue research degrees.

• Bank Financial Management

This module provides a grounding in the nature, strategic context and managerial functions of financial management in banks, and other financial services firms.

• International Banking

This module examines the origins of international banking, the activities of international banks, the markets in which they participate, and the sources of risk.

• International Banking Law

The aim of this module is to enable students to understand the legal aspects of UK and international banking law. Attention will be paid to the many significant changes that affected UK banking law during and after the 'credit crunch'.

• Merger and Acquisition

This module introduces the theoretical and institutional aspects of merger and acquisition and provides theoretical basis for an empirical analysis of governance issues concerned with merger and acquisition incentives and outcomes.

Plus choose 1 of the following:

- MA Dissertation
- Applied Business Projects

Optional Modules - choose 1:

- Financial Ethics & Regulation
- International Financial Markets

Optional modules - choose 2:

- Competition Law
- Marine Insurance
- Intellectual Property Law
- International Commercial Arbitration
- Global Trade Law
- Comparative Corporate Governance
- Employment Law
- EU Internal Market Law

Compulsory Modules (MBA):

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• Management Research

This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• Bank Financial Management

This module provides a grounding in the nature, strategic context and managerial functions of financial management in banks and other financial services firms.

• International Banking

This module examines the origins of international banking, the activities of international banks, the markets in which they participate, and the sources of risk.

• International Banking Law

The aim of this module is to enable students to understand the legal aspects of UK and international banking law. Attention will be paid to the many significant changes that affected UK banking law during and after the 'credit crunch'.

• Merger and Acquisition

This module introduces the theoretical and institutional aspects of merger and acquisition and provides theoretical basis for an empirical analysis of governance issues concerned with merger and acquisition incentives and outcomes.

Plus choose 1 of the following:

- MBA Dissertation
- Applied Business Projects

Optional Modules - choose 2:

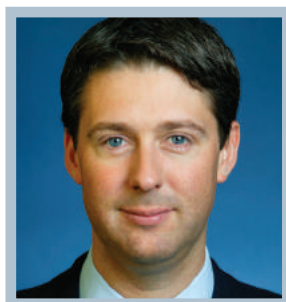
- Comparative Corporate Governance
- International Commercial Arbitration
- Intellectual Property Law
- Competition Law
- Global Trade Law
- Employment Law
- Marine Insurance
- EU Internal Market Law

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business



"Bangor Business School provided me with a solid academic grounding in economics and business. What I learned at Bangor I still use today in my position as Chief UK Economist at Deutsche Bank in London. The standard of teaching was excellent. Bangor Business School set me up for life, and has helped me enormously in my subsequent studies and my career."

Dr GEORGE BUCKLEY, Chief UK Economist, & Co. Head of European Economics for Nomura

Business and Marketing MA

COURSE DURATION

MA: 1 year full-time.
This course offers both January and September intakes.



This programme is accredited by the Chartered Management Institute (CMI). Students of this programme will graduate with the dual award of a Bangor University Masters and a Level 7 CMI qualification in Strategic Management and Leadership.

ENTRY REQUIREMENTS

A good undergraduate degree in a relevant subject, (e.g. Accounting, Banking, Finance, Business, Management or Marketing) from a university, or a similar qualification from any other institution is required. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on individual merit. Work experience and other factors are also considered. International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

This degree explores the principles, theoretical concepts and practice of marketing within the context of business and management, and will focus on developing academic and applied skills in marketing, including advertising, brand management and loyalty, customer service, public relations and market research.

The programme will develop your knowledge and skills across a broader range of business and management subjects, including organisations, their management and the changing external environment in which they operate; and develop your ability to take a strategic overview of business and organisational issues.

An important objective is to provide relevant analytical training in the latest strategic, managerial and industrial developments in the marketing of both the public and private sectors. We look at marketing at local, national and global levels. You may choose to undertake a dissertation in a business or marketing topic.

Compulsory Modules:

- **Organisations and People**
This module examines key issues arising from contemporary research in organisational behaviour and human resource management.
- **International Strategic Management**
This module analyses strategic decision-making within business.
- **Marketing Strategy**
This module critically evaluates the contributions of various schools of thought in marketing, and examines the relevant analytical models and management practices, with emphasis on the strategic importance of marketing to all organisations.
- **Management Research**
This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• New Venture Creation

This module examines the advantages and disadvantages of the various routes to business start-up.

• International Marketing Communication

This module examines the processes by which integrated marketing communications programmes are planned, developed and executed.

• International Marketing

This module provides an overview of contemporary international marketing issues and trends as well as the international marketing planning process.

Plus choose 1 of the following:

- MA Dissertation
- Applied Business Projects

Optional Modules - choose 1:

- Knowledge Management
- Contemporary Issues in Management
- Consumer Behaviour in a Global & Digital World
- Management & Innovation of Government & Non-Profit Organisations
- Marketing Analysis
- Global Brand Management

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

Business with Consumer Psychology MA/MSc

COURSE DURATION

MSc/MA: 1 year full-time.



These programmes are accredited by the Chartered Management Institute (CMI). Students of this programme will graduate with the dual award of a Bangor University Masters and a Level 7 CMI qualification in Strategic Management and Leadership.

ENTRY REQUIREMENTS

Entry to the MSc/MA in Business with Consumer Psychology programme requires a good undergraduate degree, preferably in a related subject (e.g. Business, Psychology, Marketing, Finance, Management) from a university, or a similar qualification from any other institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits, and work experience and other factors are also considered. International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

This joint Masters degree is for those wishing to start, or further develop, careers in Consumer Psychology and Business. The programme is delivered by two academic Schools which enjoy an international reputation in their fields. The marriage of both disciplines is a natural one, as understanding behaviour – and, specifically, consumer behaviour in the world of business can be crucial to the success of businesses.

Today's successful businesses and organisations need highly trained people who can help them understand their consumers and issues such as: What makes them choose one product over another? Do brand names and advertising affect our thinking? Will the internet change the face of shopping areas? You may choose between the MSc or MA routes, which are differentiated by the nature of the dissertation. The MSc dissertation will involve undertaking empirical research, whilst the MA dissertation will involve an extended literature review.

Compulsory Modules:

- **Consumer Psychology: Theory**
This module is an introduction to consumer science as it is currently practiced in the marketplace.
- **Nudges and Behaviour Change**
This module will examine how we can shape and/or modify behaviours in both the short-term and the long-term and understand some of the psychological mechanisms at work.
- **Marketing Strategy**
This module critically evaluates the contributions of various schools of thought in marketing, and examines the relevant analytical models and management practices, with emphasis on the strategic importance of marketing to all organisations.
- **Management Research**
This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• Applied Consumer Psychology

This module's aim is to provide practical research experience in consumer psychology and involves hands-on work with viable commercial enterprises. You are partnered with local companies and are required to design and conduct a practical consumer research project, typically involving fieldwork.

• Dissertation

Optional Modules - choose 2:

- New Venture Creation
- Contemporary Issues in Management
- Finance for Managers
- International Marketing
- Consumer Behaviour in a Global & Digital World
- Marketing Analysis
- International Marketing Communication

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

International Business MBA

COURSE DURATION

MBA: 1 year full-time (also available on a part-time basis). This course offers both January and September intakes.



This programme is accredited by the Chartered Management Institute (CMI). Students will graduate with the dual award of a Bangor University Masters and a Level 7 CMI qualification in Strategic Management and Leadership.

ENTRY REQUIREMENTS

Candidates should have a good first degree (2:ii or higher) or equivalent from a university or another approved degree-awarding body. Non-graduate qualifications deemed to be of a satisfactory standard for the purpose of postgraduate admission may also be considered. Work experience is desirable.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

You will gain an international outlook on business and an understanding of the particular demands and restrictions of conducting and managing business globally. Students will develop advanced, specialised knowledge and skills across a broad range of business and management subjects, developing knowledge and understanding of international organisations, their management and the changing global external environment in which they operate; thus developing a strategic overview of business and organisational issues.

Students will also develop advanced theoretical knowledge of international business and management subjects including finance, marketing and entrepreneurship, and how these are affected by culture.

Compulsory Modules:

• Marketing Strategy

This module introduces the fundamentals of marketing, by illustrating strategies in a wide range of situations, and covering the various schools of thought in marketing, and relevant analytical models and management practices.

• International Strategic Management

This module explores the link between strategic and operational management, discusses strategic management as a core management process, and places strategic decision-making in a culturally defined, dynamic environment.

• Management Research

This module examines key methodological issues and approaches to research in management studies, and critically evaluates the strengths and limitations of data gathered from interviews, case studies, focus groups, surveys and experiments.

• Organisations and People

This module provides an integrated analysis of management, organisations and people, developing the conceptual, strategic and practical skills necessary for managers in complex, global organisational contexts, by drawing on key issues arising from contemporary research in organisational behaviour and human resource management.

• Finance for Managers

This module enables students to gain a basic understanding of accounting and financial management, by examining basic principles and concepts in accounting statements and financial information so that they can be used to improve the quality of decision-making.

• Global Culture and Management

The aim of the module is to enable students to gain an understanding of culture as a major force in international business within the context of a global economy. The module focusses on the complex task of capturing and assessing the cultural encounter, presents empirical evidence, and provides illustrative examples from global business and sample cultural combinations.

Plus choose 1 of the following:

- Dissertation
- Applied Business Projects

Optional Modules – choose 2:

- International Financial Management
- Contemporary Issues in Management
- Consumer Behaviour in a Global & Digital World
- International Marketing Communication
- Management & Innovation of Government and Non-Profit Organisations
- Global Brand Management

CAREER PROSPECTS

Graduates of Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

Environmental Management MBA

COURSE DURATION

MBA: 1 year full-time (2.5 years part-time). This course offers both January and September intakes.



This programme is accredited by the Chartered Management Institute (CMI). Students of this programme will graduate with the dual award of a Bangor University Masters and a Level 7 CMI qualification in Strategic Management and Leadership.

ENTRY REQUIREMENTS

Entry to this programme requires a good undergraduate degree in a relevant subject, (e.g. Environmental Science or Business Studies) from a university, or a similar qualification from any other institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, applicants are judged on their individual merits, and work experience and other factors are also considered. For MBA degrees, whilst work experience is desirable, it is not essential.

Non-native English speakers are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

The role of the corporate environmental manager is becoming increasingly complex and strategic. Corporate social and environmental responsibility is becoming prominent in consumer demand and a pre-requisite for tender eligibility. This necessitates a more sophisticated environmental manager who can interpret legislative and audit requirements and deliver them in a manner conducive to continued

economic development, whilst recognising the market trends.

The aim of this programme is to develop skills in the delivery of economic activities related to the environment, green technology and sustainability.

The programme includes highly topical case studies from across these sectors reflecting changing strategies and alternative approaches. It is suitable for graduates from a wide range of disciplines, including Environment, Engineering, Finance, Social Sciences and other subjects.

Compulsory Modules:

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• International Strategic Management

This module analyses strategic decision-making within business. You will develop a critical understanding of the strategic processes of business management, and the interconnections with the functional domains.

• Management Research

This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• Business Planning for the Green Economy

This module explores the process of establishing a venture from idea generation to the completion of a business plan which incorporates environmental planning and management.

• Finance for Managers

This module is designed for those who aim to achieve a basic understanding of financial management and control, and who require an understanding of finance in order to manage an organisation effectively.

• Strategic Environmental Management

This module is designed to provide an understanding of the principles of sustainable development, environmental legislation, environmental auditing and assessment, and green technological development.

• Green Technologies

This module reviews the environmental consequences of economic activities, including energy generation, waste management, food and water supply and consumer goods.

• MBA Dissertation

CAREER PROSPECTS

There are an increasing number of roles in Environmental Management and Consultancy available. An Environmental Manager oversees the environmental performance of private, public and voluntary sector organisations. They develop, implement and monitor environmental strategies, policies and programmes that promote sustainable development. There are also many other roles in commercial and public sector organisations carrying out impact assessments to identify, assess and reduce an organisation's environmental risks and financial costs.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

COURSE DURATION

MSc/MBA: 1 year full-time. All programmes offer both January and September intakes. A 10 month version of the MSc/MBA Finance is also available (September start only). Students on the 10 month version will study 5 modules in the Autumn and 5 in the Spring.

ENTRY REQUIREMENTS

A good undergraduate degree in a relevant subject (e.g. Accounting, Banking, Finance, Business, Management and Marketing) from a university, or a similar qualification from any other institution is required. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits. Work experience and other factors are also considered. For MBA degrees, whilst work experience is desirable, it is not essential.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

Familiarity with the most recent developments in risk appraisal, portfolio analysis, the engineering of synthetic products, modelling techniques, financial analysis and valuation are essential requirements for all those involved directly in financial activities or who wish to gain a deeper understanding of this important area of business management.

The MSc/MBA Finance programmes at Bangor offer you a unique opportunity to develop an appreciation of the causes and significance of current developments in the financial and corporate sectors, and to study advanced theory and practice relating to financial markets and the financial management of business firms.

The **MSc degree** may be more suitable for those with some previous background in mathematics, statistics or econometrics, while the **MBA** will develop knowledgeable and capable executives, who will move quickly into key positions in the sector.

The degrees focus on the operation of financial markets and the strategic management of financial entities. You will gain practical insight and skills in a range of financial and strategic management topics in financial services and markets. You will develop an appreciation of the causes and significance of current developments in the financial and corporate sectors. Case studies and contemporary issues figure prominently in the programme.

ESRC Recognition

The MSc Finance is recognised by the Economic and Social Research Council (ESRC) as the first year of a 1+3 PhD training programme.

Compulsory Modules (MSc):

- **Research Methods**
This module equips you with knowledge of intermediate and advanced research methods, which you will encounter in other modules and in your dissertation.
- **International Financial Markets**
Provides an overview of financial instruments in a multi-currency world, taking account of insights from portfolio theory concerning the relationship between risk and return, the diversification of risk, and the pricing of assets.
- **Credit Risk Analytics**
This module examines the theory and practice of credit risk analytics and decision science in financial institutions. Particular emphasis will be placed on topical areas within quantitative methods and regulatory requirements.
- **Market Risk Analytics**
The module looks at how financial engineering can be used for speculative, hedging, and arbitrage strategies, how derivatives are priced, and how they can be used to manage risk.
- **Financial Econometrics**
This module provides advanced coverage of econometric methods and practices that are used to model financial and business data.
- **Investment Strategy & Portfolio Management**
This module evaluates the development of investment strategies for bonds, equities and derivatives that are designed to achieve optimal risk-return outcomes, and examines the measurement and evaluation of the performance of a portfolio of investments.

Plus choose 1 of the following:

- MSc Dissertation
- Financial Seminar Series
- Applied Financial Projects (30 credits)*
- Financial Research & CFA Series (CFA pathway only)

Optional Modules (MSc) - choose 2:

- Corporate Risk Management
- International Financial Management
- Financial Analysis
- Merger and Acquisition
- New Venture Creation

Compulsory Modules (MBA):

- **Organisations and People**
This module examines key issues arising from contemporary research in organisational behaviour and human resource management.
- **Investment Strategy and Portfolio Management**
This module evaluates the development of investment strategies for bonds, equities and derivatives that are designed to achieve optimal risk-return outcomes, and examines the measurement and evaluation of the performance of a portfolio of investments.
- **Management Research**
This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.
- **International Financial Management**
In this module the financial management of multinational companies and the influence of macroeconomic, fiscal, currency and political environments on business and financial decision making are examined in an international and global context.
- **International Financial Markets**
This module provides an overview of financial instruments in a multi-currency world.

Plus choose 1 of the following:

- MBA Dissertation
- Applied Business Projects
- Applied Financial Projects*
- Financial Research & CFA Series (CFA pathway only).

Optional Modules (MBA) – choose 3:

- International Strategic Management[#]
- Financial Modelling[#]
- Merger and Acquisition[#]
- Current Issues - International Finance
- Financial Ethics & Regulation
- Financial Analysis

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

Bangor Business School is rated amongst the top 25% of business schools in the UK for research intensity.

(REF, 2014)

Information Management MBA

COURSE DURATION

MBA: 1 year full-time.



This programme is accredited by the Chartered Management Institute (CMI). Students of this programme will graduate with the dual award of a Bangor University Masters and a Level 7 CMI qualification in Strategic Management and Leadership.

ENTRY REQUIREMENTS

Entry to the MBA in Information Management programme requires a good undergraduate degree in a relevant subject (e.g. Business or Science) from a university, or a similar qualification from any other institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits. Work experience and other factors are also considered. For MBA degrees, whilst work experience is desirable, it is not essential.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

Effective information management is key to the success of any organisation. The MBA Information Management develops knowledgeable and capable executives who will become managers in the IT/computing industry, or in companies in other sectors.

The aim of the programme is to provide you with a range of management knowledge and skills, together with a thorough foundation in information management, information technology and their commercial applications. The programme includes topical case studies, and reflects contemporary developments within the sector

Compulsory Modules:

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• International Strategic Management

This module analyses strategic decision-making within business.

• Management Research

This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• Web Technologies

This module provides an understanding of the basic technologies and structures for developing web applications, including internet resource creation, search techniques and programming languages for creating web content.

• Finance for Managers

This module is designed for those who aim to achieve a basic understanding of financial management and control, and who require an understanding of finance in order to manage an organisation effectively.

• Database Systems

This module shows how to design a database and intelligently query a database using SQL, and provides an introductory level of understanding in database systems.

• Technologies for Internet Systems

This module introduces technologies and tools for internet systems and e-commerce systems.

• Information Systems

This module examines the major types and components of information systems, their functions, benefits and limitations.

• Applied Business Projects (Information Management)

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

International Media and Management MSc

COURSE DURATION

MSc: 1 year full-time or 2 years part-time.

ENTRY REQUIREMENTS

Entry to this programme requires a good undergraduate degree in a relevant subject from a university, or a similar qualification from any other institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits. Work experience and other factors are also considered.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

The creative industries play a vital role in economic growth worldwide, accounting for some 7% of gross domestic product across Europe, over 11% in the US and up to 17-20% elsewhere. This phenomenal rate of growth provides excellent opportunities for individuals with the relevant skills and background to take up executive roles within the sector.

Bringing together three outstanding academic Schools at Bangor University (Business, Law and Creative Studies and Media), the MSc International Media and Management provides you with the intellectual development and training to develop a senior management career in this area.

You will study modules from each of the three Schools and will undertake a media-focussed dissertation designed to investigate and interrogate theory and practice in the creative economies locally and/or globally.

Compulsory Modules:

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• Intellectual Property Law

This module equips you with an understanding of the fundamentals of intellectual property law; the definition and scope of copyright; the authorship, ownership, duration and qualification for copyright protection; the rights of copyright owners; actions for infringement of copyright; and the defences to an infringement action.

• Marketing Strategy

This module introduces you to the 'fundamentals' of marketing, by illustrating strategies in a wide range of situations, and covering the various schools of thought in marketing, together with relevant analytical models and management practices.

• Creative Industries

This module gives students the opportunity to analyse the development and current state of the creative industries globally.

• Research Design

The module equips you with an understanding and critical overview of key methodological issues associated with various types of research enquiry in the media, cultural and creative industries, in preparation for the dissertation.

• Dissertation

Optional Modules - choose 1:

- Finance for Managers
- Comparative Corporate Governance
- International Strategic Management
- Employment Law

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

COURSE DURATION

MSc/MBA: 1 year full-time. These courses offer both January and September start.

These programmes are accredited by the Chartered Management Institute (CMI). Students of this programme will graduate with the dual award of a Bangor University Masters and a Level 7 CMI qualification in Strategic Management and Leadership.

ENTRY REQUIREMENTS

Entry to the MSc/MBA in Islamic Banking and Finance programmes requires a good undergraduate degree in a relevant subject (e.g. Accounting, Banking, Finance, Business, Management or Marketing) from a university, or a similar qualification from another institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits. Work experience and other factors are also considered.

For MBA degrees, whilst work experience is desirable, it is not essential.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

Over the past two or three decades, Islamic banking and finance has emerged as another viable way of financial intermediation. It has gained credibility and has spread worldwide and is now the preferred way of banking for one fifth of the world's population. These taught MSc/MBA degrees offer an opportunity to study the structure of the Islamic banking and finance industry, including its theoretical foundations, products, performance, Islamic financial instruments and risk management issues. These and other topics will be studied within the wider context of the banking and finance industry worldwide.

The MSc is suitable for those with some previous background in mathematics, statistics or econometrics, while the MBA aims to develop executives who will progress quickly to senior management positions in financial institutions that transact business on Islamic principles.

Compulsory Modules (MSc):

• Research Methods

This module equips you with knowledge of intermediate and advanced research methods, which you will encounter in other modules and in your dissertation.

• International Financial Markets

This module provides an overview of financial instruments in a multi-currency world, taking account of insights from portfolio theory concerning the relationship between risk and return, the diversification of risk and the pricing of assets.

• Islamic Finance

This module provides an insight into topical issues relating to Islamic financial instruments and related risk management issues.

• Islamic Banking

This module provides an insight into the key features of Islamic banking business.

• International Banking

This module examines the origins of international banking, the activities of international banks, the markets in which they participate, and the sources of risk.

• Financial Econometrics

This module provides advanced coverage of econometric methods and practices that are used to model financial and business data.

Plus choose 1 of the following:

- MSc Dissertation
- Financial Seminar Series
- Financial Research & CFA Series (CFA pathway only)

Optional Modules (MSc) - choose 2:

- Islamic Accounting and Financial Reporting
- Corporate Risk Management
- Investment Strategy and Portfolio Management
- Islamic Insurance
- Merger and Acquisition

Compulsory Modules (MBA):

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• Management Research

This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• Islamic Finance

This course provides an insight into topical issues relating to Islamic financial instruments and related risk management issues.

• Islamic Banking

This module provides an insight into the key features of Islamic banking business.

• International Banking

This module examines the origins of international banking, the activities of international banks, the markets in which they participate, and the sources of risk.

Plus choose 1 of the following:

- MBA Dissertation
- Applied Business Projects
- Financial Research & CFA Series (CFA pathway only)

Optional Modules (MBA) - choose 3:

- International Strategic Management
- Islamic Accounting and Financial Reporting
- Islamic Insurance
- Marketing Strategy
- Merger and Acquisition
- Financial Ethics & Regulation

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

"Coming to Bangor was the best decision of my life. The Business School was recommended to me by a senior member of the banking industry, and what I learnt during my time has given me a very solid foundation for my career.

Each module on the MBA Banking and Finance programme is well-structured and designed to suit both the experienced professional and the novice student. The research-based curriculum really made me think outside the box and taught me the importance of keeping up to date with the latest market trends and developments.

I have to say that the best thing about the learning experience was the interaction with the teaching staff. They were readily available to help on a one-to-one basis."

SHANKY SINGH, Business Analyst, Syntel, India

"I first came to Bangor as an exchange student. I enjoyed the experience so much that I decided to return to pursue my Masters degree in Accounting and Finance.

I particularly enjoyed the structure of the course, the classes and the friendly and helpful atmosphere of the School. The small class sizes meant that it was easy to get in touch with lecturers and to ask for help – you are always guaranteed to find someone to help you at Bangor!

I am now undertaking a PhD in Accounting and Finance. I enjoy living in Bangor as everything feels familiar and is within walking distance."

ANNIKA BEELITZ, from Germany, studied an MSc in Accounting and Finance

COURSE DURATION

MBA: 1 year full-time. This course offers both January and September intakes.



This programme is accredited by the Chartered Management Institute (CMI). Students of this programme will graduate with the dual award of a Bangor University Masters and a Level 7 CMI qualification in Strategic Management and Leadership.

ENTRY REQUIREMENTS

Entry to the MBA in Law and Management programme requires a good undergraduate degree in a relevant subject (e.g. Law, Management, Economics, Finance, Business) from a university, or a similar qualification from another institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits, and work experience and other factors are also considered.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

In today's global competitive marketplace, the successful corporate executive needs to understand how the legal system and legal regulation can impact on their own area of expertise. Accordingly, Bangor Business School and Bangor Law School have combined to offer an innovative suite of interdisciplinary MBA and MA programmes.

The MBA in Law and Management emphasises both professional and vocational development, as well as an awareness of key legal and regulatory issues that play a central role in the successful management of modern enterprises of all types and sizes. You will develop an understanding of higher-level managerial skills and concepts, and their application in practical situations.

You will have the opportunity to examine the law and regulation that affects business in a wide range of key areas. An important objective is to provide relevant analytical training in the latest strategic, managerial, legal and commercial developments in both public and private sectors.

Compulsory Modules:

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• Management Research

This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• Comparative Corporate Governance

This module examines the major corporate scandals in the US, Europe and the UK that have occurred in recent years, raising questions about the organisation and governance of companies, in particular large multinational organisations.

• Finance for Managers

This module will give a basic understanding of financial management and control, and who require an understanding of finance in order to manage an organisation effectively.

Plus choose 1 of the following:

- Dissertation
- Applied Business Projects

Optional Modules*:

Choose 2 from:

- Marketing Strategy
- International Strategic Management
- Knowledge Management
- Contemporary Issues in Management
- Management & Innovation of Government & Non-Profit Organisations

Choose 2 from:

- International Commercial Arbitration
- Intellectual Property Law
- Competition Law
- Global Trade Law
- Employment Law
- Marine Insurance
- International Banking Law

*Your optional modules must include either Marketing Strategy or International Strategic Management and at least 2 Law options.

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

Management MBA

COURSE DURATION

MBA: 1 year full-time. This course offers both January and September intakes.



ENTRY REQUIREMENTS

Entry to the MBA Management requires a good undergraduate degree in a relevant subject (e.g. Accounting, Banking, Finance, Business, Management or Marketing) from a university, or a similar qualification from another institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits, and work experience and other factors are also considered.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

An MBA is a globally recognised qualification for senior personnel and executives within both the private and public sectors. As the impact of change, the importance of strategy and intensification of competition increases, organisations are demanding managers who can contribute a depth of understanding in the business community as a whole. The growing economic importance of entrepreneurship has also re-emphasised the need for a clearer understanding of the theory and practice relating to business and management in both new and existing organisations.

The course is a one-year modular MBA programme which focuses on developing your

academic and managerial skills in areas such as organisational behaviour, marketing strategy, e-business and new venture creation. An important objective is to provide relevant analytical training to familiarise you with the latest strategic, managerial and industrial developments in the public and private sectors.

The course provides a coherent analytical framework for the study of business and enterprise from a management perspective. The emphasis throughout the programme is on the application of contemporary financial, managerial and strategic developments that affect real-world decision-making in the global market place.

We recognise that a thorough understanding of recent developments in management, entrepreneurship, strategy, marketing and finance are essential requirements for all those involved in a management role (or those who wish to gain a deeper understanding of these important business and management areas).

Compulsory Modules:

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• Marketing Strategy

This module critically evaluates the contributions of various schools of thought in marketing, and examines the relevant analytical models and management practices, with emphasis on the strategic importance of marketing to all organisations.

• International Strategic Management

This module analyses strategic decision-making within business.

• Management Research

This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• Finance for Managers

This module is designed for those who aim to achieve a basic understanding of financial management and control, and who require an understanding of finance in order to manage an organisation effectively.

Plus choose 1 of the following:

- MBA Dissertation
- Applied Business Projects

Optional Modules - choose 3:

- Knowledge Management
- Contemporary Issues in Management
- International Financial Management
- New Venture Creation
- Management & Innovation of Government & Non-Profit Organisations

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

COURSE DURATION

MSc/MA: 1 year full-time. These courses offer both January and September intakes.

ENTRY REQUIREMENTS

Entry to the MSc/MA in Management and Finance programme requires a good undergraduate degree in a relevant subject (e.g. Accounting, Banking, Finance, Business, Management or Marketing) from a university, or a similar qualification from another institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits. Work experience and other factors are also considered.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

The ever-changing nature of business firms and the markets in which they operate has made it increasingly important for corporate managers to have a clear understanding of the theory and practice relating to strategic management, and the interrelationships between the firm, its employees and its markets, and the implications for corporate financial strategy. Familiarity with the most recent developments in risk appraisal, valuation, marketing, human resource management (HRM), organisational behaviour and strategic management are essential requirements for all those involved directly in business, or in financing business activities, or those who wish to gain a deeper understanding of these important areas.

The MSc/MA Management and Finance programmes are designed to develop your existing skills through a scheme of specialist advanced study. An important objective is to provide you not only with an insight into organisational behaviour and strategic choices in HRM and marketing, but also with an understanding of theoretical developments relating to corporate finance and the capital markets, and competence in the techniques required to assess the consequences for business management. These programmes provide a coherent theoretical framework for the various subject areas, but the emphasis throughout is on advanced practical application of business management and financial techniques in a real-world setting.

The availability of parallel MSc and MA degrees in Management and Finance allows you to choose between registering for a more technical MSc degree (including a compulsory element in Financial Econometrics), and a less technical MA degree (for which Financial Econometrics is optional). The MSc degree may be more suitable for those with some previous background in mathematics, statistics or econometrics, while the MA degree is more suitable for those who prefer to adopt a predominantly non-quantitative approach to their studies.

ESRC Recognition

The MSc/MA Management and Finance programmes are recognised by the Economic and Social Research Council (ESRC) as the first year of a 1+3 PhD training programme.

Compulsory Modules (MSc):

• Research Methods

This module develops knowledge of intermediate and advanced research methods, and provides a basis in research methodology for those who may eventually wish to pursue research degrees.

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• International Strategic Management

This module analyses strategic decision-making within business.

• International Financial Markets

This module provides an introduction to finance theory, and its practical applications for investors, analysts and portfolio managers.

• International Financial Management

In this module the financial management of multinational companies and the influence of macroeconomic, fiscal, currency and political environments on business and financial decision-making are examined in a global context.

• New Venture Creation

This module examines the advantages and disadvantages of the various routes to business start-up.

• Financial Econometrics

This module provides advanced coverage of econometric methods and practices that are used to model financial and business data.

Plus choose 1 of the following:

- MSc Dissertation
- Financial Seminar Series
- Financial Research & CFA Series (CFA pathway only)

Optional Modules (MSc) - choose 1:

- Credit Risk Analytics
- Knowledge Management
- Financial Analysis
- Investment Strategy and Portfolio Management
- Merger and Acquisition

Compulsory Modules (MA):

• Research Methods

This module develops knowledge of intermediate and advanced research methods, and provides a basis in research methodology for those who may eventually wish to pursue research degrees.

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour and human resource management.

• International Strategic Management

This module analyses strategic decision-making within business.

• International Financial Markets

This module provides an introduction to finance theory, and its practical applications for investors, analysts and portfolio managers.

• International Financial Management

In this module the financial management of multinational companies and the influence of macroeconomic, fiscal, currency and political environments on business and financial decision-making are examined in a global context.

• New Venture Creation

This module examines the advantages and disadvantages of the various routes to business start-up.

• Merger & Acquisition

This module introduces the theoretical and institutional aspects of merger and acquisition and provides theoretical basis for an empirical analysis of governance issues concerned with merger and acquisition incentives and outcomes.

Plus choose 1 of the following:

- MA Dissertation
- Financial Seminar Series
- Financial Research & CFA Series (CFA pathway only)

Optional Modules (MA) - choose 2:

- Knowledge Management
- Financial Analysis
- Management & Innovation of Government & Non-Profit Organisations

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

International Marketing MBA

COURSE DURATION

MBA: 1 year full-time. This course offers both January and September intakes.



This programme is accredited by the Chartered Management Institute (CMI). Students of this programme will graduate with the dual award of a Bangor University Masters and a Level 7 CMI qualification in Strategic Management and Leadership.



ENTRY REQUIREMENTS

A good undergraduate degree in a relevant subject (e.g. Accounting, Banking, Finance, Business, Management or Marketing) from a university, or a similar qualification from another institution is required. Alternatively, a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits. Work experience and other factors are also considered.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

This degree explores the principles, theoretical concepts and practice of marketing within the context of business and management, and will focus on developing academic and applied skills in marketing, including advertising, brand management and loyalty, customer service, public relations and market research.

The programme will also develop your knowledge and skills across a broader range of business and management subjects, including organisations, their management and the changing external environment in which they operate. You will develop the ability to take a strategic overview of business and organisational issues. An important objective is to provide relevant analytical training in the latest strategic, managerial and industrial developments in the marketing of both the public and private sectors. We look at marketing at local, national and global levels, developing skills in strategic analysis, problem-solving and decision making.

Compulsory Modules:

• International Marketing

This module provides an overview of contemporary international marketing issues and trends, as well as the international marketing planning process.

• Consumer Behaviour in a Global & Digital World

This module will introduce students to the main theories which purport to explain consumer behaviour from the perspective of gaining an understanding of the consumer as an individual, as well as how consumers are influenced by their cultural environment.

• Marketing Strategy

This module critically evaluates the contributions of various schools of thought in marketing, and examines the relevant analytical models and management practices.

• Management Research

This module analyses the philosophical basis for research in the management sciences, and examines key methodological issues.

• International Marketing Communication

This module examines the processes by which integrated marketing communications programmes are planned, developed and executed.

• Global Brand Management

This module is concerned with the foundations of what is a brand, the factors that are important in building and maintaining a positive brand image, building brand equity and how to develop a brand into a global brand.

• Marketing Analysis

This module introduces key concepts and techniques used in researching markets and marketing (e.g. brand positioning, segmentation, new product development) and provides a critical input to the planning and development of a marketing strategy.

Plus choose 1 of the following:

- International Marketing Project
- Applied Business Projects

Optional Modules - choose 1:

- International Strategic Management
- Organisations and People

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

Research Methodology MSc

COURSE DURATION

MSc: 1 year full-time, 2 years part-time. September intake only.

ENTRY REQUIREMENTS

A Bachelor's Degree (2:1 or 1st) or equivalent in a relevant discipline from a university or another approved degree-awarding body. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted.

Applicants whose first language is not English are required to hold IELTS (or equivalent qualification) at 6.5 or above.

COURSE DESCRIPTION

The MSc in Research Methodology is aimed at individuals who want to pursue a career in research within academic, commercial or non-profit sectors. The MSc provides a cutting edge and highly advanced training in both qualitative and quantitative research methods and theory within your chosen business context.

Our MSc in Research Methodology guides you through the whole process of undertaking business and management research from developing your initial research ideas to undertaken and reporting on a substantial piece of primary research.

You will be introduced to a variety of research methodologies and develop the ability to critique these and assess their applicability to real world research problems. You will work with real data (both qualitative and quantitative) to gain insight into significant research problems and provide potential solutions.

Compulsory Modules:

• Research Colloquium

The aim of the module is to provide students with an opportunity to communicate their proposed research and to develop their appreciation of conceptual, methodological and research-related issues in the context of their own project.

• Core Competencies

The aim of the module is to equip students with core competencies for conducting research. This includes data management, literature search, bibliographic, writing and computing skills. It requires participation in seminars offered by both Bangor Business School and the doctoral school, and submission of written pieces of work.

• Foundations in Social Research

The aim of this module is provide students with an understanding of the principles and practice of research design and methods. Students will learn how to formulate appropriate research questions and how to develop an approach to finding answers.

• Research Applications

This module will introduce students to the main theories which are relevant to their chosen area of specialism (marketing, management, accounting, banking and finance) ensuring that students are up-to-date on the latest thinking and ideas in their chosen field.

• Qualitative Methods for Researchers

The aim of the module is to provide training in the main varieties of qualitative and mixed methods research in the social sciences. Students will gain knowledge and understanding of qualitative methods and develop skills in the implementation of a variety of such methods.

• Quantitative Methods for Researchers

The aim of the module is to equip students with advanced quantitative skills for conducting financial studies research. This module provides both a theoretical and practical understanding of quantitative data collection and analysis in financial studies research.

• MSc Dissertation

This module introduces you to research in action and therefore provides an opportunity to initiate, plan, and accomplish a substantial piece of research work.

Optional Modules - choose 1:

- Current Issues in Business and Management
- Quantitative Methods for Financial Studies

CAREER PROSPECTS

The MSc in Research Methodology provides an ideal pathway to PhD study and thus has ESRC recognition as part of Bangor Business School 1 + 3 PhD accreditation.

For further course details, please see:

www.bangor.ac.uk/go/pg/business

Bangor Business School runs a highly successful programme for students who wish to study for the research degrees of MPhil or PhD. Our PhD programme is recognised by the UK's Economic and Social Research Council (ESRC) for excellence in social science training.

THE DIFFERENCE BETWEEN PHD AND MPhil?

A PhD degree is usually 3 years full-time, or 5-6 years part-time. Candidates are expected to present the results of their research in a 100,000-word thesis which represents a significant original contribution to knowledge in the subject area studied, and to undergo a viva voce examination.

An MPhil (Master of Philosophy) degree is usually 2 years full-time, or 3 years part-time. Candidates must successfully complete an approved programme of supervised research, and present their results in a thesis of up to 60,000 words.

ENTRY REQUIREMENTS

Applicants for entry to an MPhil degree should hold a first or upper second-class degree in a relevant subject, such as economics, finance, accounting, business or management. Applicants for entry to a PhD degree must hold a Masters degree in a relevant subject – normally, a distinction is required. It is possible to register initially for an MPhil degree, and subject to satisfactory progress, to transfer the registration to a PhD degree at the end of the first year.

International applicants are normally required to provide evidence of English language proficiency – please see page 43.

COURSE DESCRIPTION

For a PhD degree, you are expected to present the results of your research in a thesis, which represents a significant original contribution to knowledge in the subject area studied, and to undergo a viva voce examination. For an MPhil (Master of Philosophy) degree, you are expected to successfully complete an approved programme of supervised research, and to present your results in a thesis. You can also do a one-year Masters by Research on a specific research topic.

PREPARING A RESEARCH PROPOSAL

As part of the application process for a research degree, you will be asked to submit a research proposal. This should be relevant to the research interests and expertise of staff members, as these are the areas in which we can offer supervision. We therefore recommend that applicants refer to the staff webpages before preparing a research proposal: www.bangor.ac.uk/business/staff

The research proposal should be between 1,500 and 2,500 words, and should outline the following:

- Provisional title
- Central question or hypothesis for investigation
- Key aims of the research
- Literature review
- Description of your topic
- Methodology – how you will obtain the necessary information
- Bibliography
- Timetable

CAREER PROSPECTS

Graduates of the Bangor Business School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 43 for more information.

For further course details, please see:
www.bangor.ac.uk/business/academic/research_degrees

Bangor Business School is now ranked amongst the world's top 25 institutions for research in the field of Banking.

(RePEc)



Bangor Law School

Bangor Law School is an innovative and expanding law school which adopts an international outlook in its teaching and research activity. The academic experience is enriched by a series of extra- and co-curricular activities designed to help you improve your careers prospects, including a work placement scheme, mooting and an annual careers fair. A hallmark of our programmes is small class sizes where students form close-knit relationships with academic staff.

Our courses address contemporary issues relevant to the business and political environment worldwide and they will equip students with the knowledge and skills required to operate successfully in an increasingly global marketplace.

Staff

Bangor Law School's staff are graduates of some of the world's leading universities, such as Cambridge, College of Europe, Queen Mary, Renmin, Nottingham, Tufts and Queen's, Belfast. Several have been previously employed as professionals within the legal sector in roles such as judge, solicitor and magistrate. This expertise is reflected in our teaching, as well as our extensive research activity in the fields of procurement and international law.

Coupled with this rich combination of backgrounds, staff members' research reflects expertise in fields including EU Law, Corporate Finance Law, Maritime Law, International Law, Commercial Law, Company Law, Child and Family Law, Environmental Law, Intellectual Property Law, International Criminal Law, and International Human Rights Law. Developing young professionals through MPhil and PhD research training is central to the School's mission and the doctoral programme makes an important contribution to the training of future researchers.

Facilities

In order to support our students throughout the course of their studies, both the Law School and the University provide a range of learning resources supported by experienced staff.

Facilities include an extensive Law Library which has benefited from substantial investment and is overseen by a dedicated Law Librarian who provides specialist support and advice to students. It includes printed and electronic resources that reflect current teaching and research within the School.

The collection includes reference, statutes, law reports, journals, books, pamphlets, official publications, newspapers and online databases.

Overview of academic areas

Our suite of Masters programmes reflects our expertise and commitment to high level postgraduate teaching. These include a range of LLM degrees, focusing on International Commercial and Business Law, Banking Law, Intellectual Property Law, Criminology, International Law, Public Procurement Law and Maritime Law. We also offer a general LLM in Law, which enables students to choose from a selection of modules and thereby tailor their studies to their own personal interests; and we provide expert PhD and MPhil supervision in a range of legal areas.

We have joined forces with Bangor Business School, which is consistently ranked amongst the top 25 institutions in the world for Banking research (RePEc), to offer four joint Masters degrees combining Law with Banking or Management. These programmes will prepare key executives who will play a central role in the successful management of modern enterprises, and capable banking executives and banking lawyers who will move into key positions in the financial sector.

Scholarships

To help students achieve their full potential, the University offers a range of scholarships and bursaries for postgraduate students. Please see the website for further information.

Links with Industry

Through our continuous work in developing contacts with legal practitioners across the UK, the University is able to offer students an impressive programme of work placements. These placements offer a unique opportunity to experience the type of careers Law graduates might wish to pursue, from solicitors' practices to local government.

We also arrange an annual law Careers Fair aimed at encouraging students to think about the career paths they wish to pursue and to help them take the next step towards their particular goals.

Career Prospects

Graduates of Bangor Law School postgraduate degrees will have excellent prospects for employment in a range of roles in law firms, local government, the civil service, industry, management, international organisations and more. Graduates will also be equipped to pursue further research (PhD/MPhil) if they so wish.

All module information is correct at the time of going to print and is subject to change. Please refer to the website for the most current information.

COURSE LIST:

LLM

- International Commercial and Business Law
- International Intellectual Property Law
- International Law
- International Criminal Law and International Human Rights Law
- Law (General)
- Law and Banking
- Law and Criminology
- Law of the Sea
- Maritime Law
- Public Procurement Law and Strategy
- Procurement Law, Strategy and Practice by Distance Learning

MA

- Banking and Law (see page 47)
- Criminology and Law (see page 66)

MBA

- Banking and Law (see page 47)
- Law and Management (see page 53)

PhD/MPhil/LLM by Research

- Law

TO FIND OUT MORE:

Tel: +44 (0) 1248 382085

E-mail: law.pg@bangor.ac.uk

www.bangor.ac.uk/law

English language requirements

International applicants are normally required to provide evidence of English language proficiency.

LLM degrees:

- IELTS 6.5 (with no individual score lower than 6.0)

MBA and MA degrees:

- IELTS 6.0 (with no individual score lower than 5.5)

PhD/MPhil/LLM by Research:

- IELTS 7.0 (with no individual score lower than 6.5)

Applicants who have not achieved the required level can take English language courses at the University's English Language Centre prior to their course - see elcos.bangor.ac.uk

**No.1 Law School in
Wales and 23rd in the
UK (Guardian University
Guide 2019)**

International Commercial and Business Law LLM

COURSE DURATION

LLM: 1 year full-time. This course offers both January and September intakes.

ENTRY REQUIREMENTS

We accept applications from graduates of LLB (Single and Joint Honours) and related subjects such as Accountancy, Finance, Banking, Management Studies, Politics, International Relations and Social Sciences. For LLB graduates and those with a related degree, we normally require a minimum of a lower second class degree from an approved university. Applications with degrees in unrelated disciplines will be considered on a case by case basis. Alternatively, possession of a suitable professional qualification or relevant practical experience may be accepted.

In general, all applicants are judged on their individual merits. Work experience and other factors are also taken into consideration.

International applicants are normally required to provide evidence of English language proficiency. See page 57 for more details.

COURSE DESCRIPTION

An exciting, commercially-relevant programme that provides an in-depth curriculum and thorough training in the law, policy and legal regulation that governs key areas of commerce and industry worldwide. This course is particularly relevant for those who anticipate careers in business and industry, or intend to specialise in legal practice in the commercial area, and wish to develop the expertise and the ability to address and manage business development within a legal framework, whether in the UK or internationally.

Compulsory Modules:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• International Sales Law

The purpose of the module is to critically examine the statutes and case law governing international sale transaction. The module will concentrate on the critical analysis of the contractual parties' obligations under traditional trade terms such as CIF and FOB and Incoterms and International Conventions.

• Dissertation

Optional Modules - choose 4:

- Competition Law
- Intellectual Property Law
- International Commercial Arbitration
- Comparative Corporate Governance
- Employment Law
- EU Internal Market Law
- Marine Insurance
- Carriage of Goods by Sea
- International Banking Law
- Global Trade Law
- International Climate Change Law and Policy

CAREER PROSPECTS

Graduates of Bangor Law School have excellent prospects for pursuing employment in a wide range of roles. Please see page 57 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/law

International Intellectual Property Law LLM

COURSE DURATION

LLM: 1 year full-time. This course offers both January and September intakes.

ENTRY REQUIREMENTS

We accept applications from graduates of LLB (Single and Joint Honours) and related subjects such as Accountancy, Finance, Banking, Management Studies, Politics, International Relations and the Social Sciences. For LLB graduates and those with a related degree, we normally require a minimum of a lower second class degree from an approved university. Applications with degrees in unrelated disciplines will be considered on a case by case basis. Alternatively, possession of a suitable professional qualification or relevant practical experience may be accepted.

In general, all applicants are judged on their individual merits. Work experience and other factors are also taken into consideration.

International applicants are normally required to provide evidence of English language proficiency. See page 57 for more details.

COURSE DESCRIPTION

This programme will enable you to develop your expertise in Intellectual Property Law. The course will include comparative studies of various national jurisdictions, providing national and international perspectives.

You will develop a deep knowledge and understanding of Intellectual Property theory, and also the rationale for Intellectual Property Rights protection. Through studies of various jurisdictions, you will develop an understanding of why Intellectual Property protection varies in different parts of the world. Through studies of case law from different jurisdictions, you will develop an understanding of how the social context can impact on International Intellectual Property Law issues. Comparative law assessment skills will be developed to a high level as you will be studying both national and international law regimes.

Compulsory Modules:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• Intellectual Property Law

• Dissertation

Optional Modules - choose 4:

- EU Internal Market Law
- Comparative Corporate Governance
- International Commercial Arbitration
- International Sales Law
- Competition Law
- Global Trade Law

CAREER PROSPECTS

Graduates of Bangor Law School have excellent prospects for pursuing employment in a wide range of roles. Please see page 57 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/law

International Law LLM

COURSE DURATION

LLM: 1 year full-time. This course offers both January and September intakes.

ENTRY REQUIREMENTS

We normally require a minimum of a 2.ii degree from an approved university in a related subject (e.g. Law, Management Studies, Politics, International Relations, the Social Sciences). Applications with degrees in unrelated disciplines will be considered on a case by case basis. Alternatively, possession of a suitable professional qualification or relevant practical experience may be accepted.

In general, all applicants are judged on their individual merits. Work experience and other factors are also taken into consideration.

International applicants are normally required to provide evidence of English language proficiency. See page 57 for more details.

COURSE DESCRIPTION

This programme is designed to equip you with a general yet comprehensive education in a range of areas within International Law. The course will enable you to master the basic principles of the discipline and to explore advanced level theories, as well as understand the many traditional and contemporary challenges in International Law. You will have a wide range of optional modules to choose from, and may therefore acquire broad as opposed to specialised knowledge.

Through carefully designed course work and varied teaching approaches, you will acquire the intellectual open-ness, technical expertise and critical thinking abilities that are necessary for effectiveness in an increasingly global job market. The programme will equip you to respond effectively to the wide range of intellectual and professional challenges facing contemporary International Lawyers, and to deal with both case work and policy making.

Compulsory Modules:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• Public International Law

This module will teach you about the fundamental values, principles and rules of Public International Law. This will be a balanced course, with the essential elements of history, theory, law and practice being presented.

• Dissertation

Optional Modules - choose 4:

- Global Trade Law
- International Human Rights Law
- Law, Religion and Belief
- EU Internal Market Law
- Competition Law
- Comparative Corporate Governance
- International Banking Law
- International Commercial Arbitration
- Intellectual Property Law
- International Law of Armed Conflict
- International Climate Change Law & Policy

CAREER PROSPECTS

Graduates of Bangor Law School have excellent prospects for pursuing employment in a wide range of roles. Please see page 57 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/law

International Criminal Law and International Human Rights Law LLM

COURSE DURATION

LLM: 1 year full-time. This course offers both January and September intakes.

ENTRY REQUIREMENTS

We normally require a minimum of a 2.ii degree from an approved university in a related subject (e.g. Law, Management Studies, Politics, International Relations, the Social Sciences). Applications with degrees in unrelated disciplines will be considered on a case by case basis. Alternatively, possession of a suitable professional qualification or relevant practical experience may be accepted. In general, all applicants are judged on their individual merits. Work experience and other factors are also taken into consideration.

International applicants are normally required to provide evidence of English language proficiency. See page 57 for more details.

COURSE DESCRIPTION

This programme is designed to help you become an expert in the areas of International Law that directly concern the human person: International Criminal Law and International Human Rights Law. You will study foundational modules in these and write a dissertation on a topic within International Criminal Law or International Human Rights Law. The remaining modules can be chosen from a range of relevant options.

Through carefully designed course work and varied teaching approaches, you will acquire the intellectual open-ness, technical expertise and critical thinking abilities that are necessary for effectiveness in an increasingly global job market. The programme will equip you to respond effectively to the wide range of intellectual and professional challenges facing those working on legal issues concerning the human person, and will equip you to deal with both case work and policy making.

Compulsory Modules:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• International Criminal Law

This module will provide you with a balanced and thorough understanding of the fundamentals of International Criminal Law.

• International Human Rights Law

The objective of this module is to provide you with a broad yet thorough understanding of International Human Rights Law, covering various aspects of history, theory, politics, law and practice.

• Dissertation

Optional Modules - choose 3:

- International Law of Armed Conflict
- Public International Law
- International Climate Change Law & Policy
- Global Trade Law
- Transnational Crime
- Law, Religion and Belief

CAREER PROSPECTS

Graduates of Bangor Law School have excellent prospects for pursuing employment in a wide range of roles. Please see page 57 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/law

Law (General) LLM

COURSE DURATION

LLM: 1 year full-time. This course offers both January and September intakes.

ENTRY REQUIREMENTS

We accept applications from graduates of LLB and other disciplines. For LLB graduates, we normally require a minimum of a lower second class degree from an approved university. Applications with degrees in unrelated disciplines will be considered on a case by case basis. Alternatively, possession of a suitable professional qualification or relevant practical experience may be accepted.

In general, all applicants are judged on their individual merits. Work experience and other factors are also taken into consideration.

International applicants are normally required to provide evidence of English language proficiency. See page 57 for more details.

COURSE DESCRIPTION

For the non-specialist student, this general LLM permits you to pick and mix modules from the specialist schemes. The programme consists of a compulsory module in Legal Research Methods plus taught modules, selected from the list opposite. The dissertation could be on any legal topic subject to approval by the Law School.

Compulsory Module:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• Dissertation

Optional Modules – choose 5:

- Competition Law
- Marine Insurance
- Intellectual Property Law
- International Banking Law
- International Commercial Arbitration
- International Sales Law
- Comparative Corporate Governance
- Global Trade Law
- Employment Law
- EU Internal Market Law
- Expert Evidence in Court
- International Climate Change Law & Policy
- Forensic Linguistics in Court

CAREER PROSPECTS

Graduates of Bangor Law School have excellent prospects for pursuing employment in a wide range of roles. Please see page 57 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/law

Law and Banking LLM

COURSE DURATION

LLM: 1 year full-time. This course offers both January and September intakes.

ENTRY REQUIREMENTS

We accept applications from graduates of LLB (Single and Joint Honours) and related subjects such as Accountancy, Finance, Banking, Management Studies, Politics, International Relations and the Social Sciences. For LLB graduates and those with a related degree, we normally require a minimum of a lower second class degree from an approved university. Applications with degrees in unrelated disciplines will be considered on a case by case basis. Alternatively, possession of a suitable professional qualification or relevant practical experience may be accepted.

In general, all applicants are judged on their individual merits. Work experience and other factors are also taken into consideration.

International applicants are normally required to provide evidence of English language proficiency. See page 57 for more details.

COURSE DESCRIPTION

This programme is designed to equip you with a general yet comprehensive education in a range of areas within International Banking Law. The course will enable you to master the basic principles of the discipline (viewed from an international perspective) and to explore in more depth themes including:

- The Regulatory Framework
- Prudential regulation/supervision
- Banks and Capital Markets
- Cross-border banking

- The anti-money laundering directives

- Islamic Finance

This programme will highlight the many challenges facing banking policy formulators and will enable you to discuss and debate potential solutions to such problems. You will have a wide range of modules to choose from – including many from the Business School – enabling you to acquire specialised knowledge from two distinct disciplines.

Compulsory Modules:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• International Banking Law

This module will provide you with a sound understanding of the law and practice of modern international banking.

• Dissertation

Optional Modules – choose 6:

Business modules – choose 1 or 2:

- Bank Financial Management
- International Banking
- Corporate Risk Management
- Islamic Finance
- Islamic Banking
- Investment Strategy and Portfolio Management

Law modules – choose 4 or 5:

- Competition Law
- Marine Insurance
- International Commercial Arbitration
- Global Trade Law
- Comparative Corporate Governance
- Employment Law
- EU Internal Market Law

CAREER PROSPECTS

Employment opportunities for graduates of this programme will include work with international law firms; banks or investment firms (as in-house counsel); specialised banks or central banks e.g. European Investment Bank, EBRD, the ECB (the EU's central bank), the African Development Bank, the IMF and the World Bank; national financial regulatory authorities and international organisations such as the World Trade Organisation and the European Union; international courts and tribunals; 'think tanks' and research centres; and government (e.g. Ministry of Finance). There will, of course, also be possibilities for academically inclined graduates to pursue careers in teaching and research.

For further course details, please see:

www.bangor.ac.uk/go/pg/law

Law and Criminology LLM

COURSE DURATION

LLM: 1 year full-time.

ENTRY REQUIREMENTS

We accept applications from graduates of Criminology and Criminal Justice, of LLB (Single and Joint Honours) and related subjects such as Politics or the Social Sciences. Normally, we require an upper second class degree (or equivalent), but applications from candidates with a lower second class degree and professional qualifications and/or appropriate experience will also be considered. In general, all applicants are judged on their individual merits. Work experience and other factors are also taken into consideration.

International applicants are normally required to provide evidence of English language proficiency. See page 57 for more details.

COURSE DESCRIPTION

The LLM Law and Criminology is offered in conjunction with the School of Social Sciences, providing you with postgraduate level knowledge and skills in the interdisciplinary areas of criminology and law. It builds on criminological and legal skills and knowledge so as to provide specialist training in criminology, criminal justice and legal research. You will develop an international perspective on crime, justice and law through national and cross-national approaches and case studies of other societies, and study 'cutting edge' issues in contemporary criminology and law. You will also acquire a wide range of transferable skills.

A similar programme – MA Criminology & Law – is offered by the School of Social Sciences. See page 68 for further details.

Compulsory Modules:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• Dissertation

A Law-based dissertation.

Optional Modules:

Choose 2 from:

- Forensic Linguistics in Court
- International Criminal Law
- International Human Rights Law
- International Law of Armed Conflict
- Expert Evidence in Court

Choose 3 from:

- Troseddeg Fforensig
- Transnational Crime
- Key Issues in Criminology
- Comparative and International Criminal Justice

CAREER PROSPECTS

Graduates of Bangor Law School have excellent prospects for pursuing employment in a wide range of roles. Please see page 57 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/law

Law of the Sea LLM

COURSE DURATION

LLM: 1 year full-time. This course offers both January and September intakes.

ENTRY REQUIREMENTS

We normally require a minimum of a 2.ii degree in a relevant subject from an approved university. Alternatively, possession of a suitable professional qualification or relevant practical experience may be accepted. In general, all applicants are judged on their individual merits. Work experience and other factors are also taken into consideration.

International applicants are normally required to provide evidence of English language proficiency – please see page 57.

COURSE DESCRIPTION

This course will appeal to applicants who are interested in the Law of the Sea and International Law, but who do not necessarily want to study the commercial aspects of a Maritime Law degree.

The course focuses predominantly on International Law, with a particular emphasis on the Law of the Sea. Students will acquire expertise in the multifaceted interface between the different fields of International Law, whilst also developing specialist knowledge of the law pertaining to the sea. The skills learnt on this programme are adaptable to work in international bodies (e.g. the UN), international courts and tribunals, and international law firms; as well as in roles relating to piracy or marine pollution (e.g. the ICC Commercial Crime Services, the International Maritime Organisation, the Marine Management Organisation and the Maritime and Coastguard Agency).

Compulsory Modules:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• Public International Law

This module provides a foundational understanding of Public International Law, which is essential for progress to more advanced study of the various specialised areas of the discipline, such as International Human Rights Law. Through this module, students will learn about the fundamental values, principles, and rules of Public International Law.

• Law of the Sea

This module is focused on the international law of the sea, with particular focus on emerging regulatory problems at sea. Students will be introduced to the United Nations Convention on the Law of the Sea (LOSC), which essentially regulates most matters at sea. Students will learn to distinguish between the different maritime zones set out by LOSC and how each zone can differently affect the way in which matters are dealt with.

• Dissertation

Optional Modules – choose 3:

- International Climate Change Law and Policy
- International Criminal Law
- International Law of Armed Conflict
- International Human Rights Law
- Carriage of Goods by Sea

CAREER PROSPECTS

Graduates of Bangor Law School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 57 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/law

Maritime Law LLM

COURSE DURATION

LLM: 1 year full-time. This programme offers both January and September intakes.

ENTRY REQUIREMENTS

We normally require a minimum of a 2.ii degree in a relevant subject (e.g. Law, Business) from an approved university. Alternatively, possession of a suitable professional qualification or relevant practical experience may be accepted. In general, all applicants are judged on their individual merits. Work experience and other factors are also taken into consideration.

International applicants are normally required to provide evidence of English language proficiency – please see page 59.

COURSE DESCRIPTION

This course provides advanced level knowledge and skills in the areas of Maritime Law and Commercial Law. Students will develop international and commercial perspectives on issues relating to Maritime Law, and will learn to operate with expertise in the multifaceted interface between the different areas of the field.

Students will acquire a broad understanding of Maritime Law, including its fundamental principles and values, the influences upon it, the substantive rules of the discipline and the underpinning architecture and institutions; as well as an understanding of the different areas within the discipline, such as wet shipping law and dry shipping law. Critical awareness will be fostered by the study of the latest literature, international legislation, international conventions, EU law and international case law.

Compulsory Modules:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• Marine Insurance

The purpose of this module is to critically examine the statutes and case law governing marine insurance practice.

• Carriage of Goods by Sea

This module includes two parts: maritime law relating to the carriage of goods, and maritime casualties and their aftermath.

• Dissertation

Optional Modules - choose 4:

- Climate Change Law and Policy
- International Sales Law
- Intellectual Property Law
- Competition Law
- International Commercial Arbitration
- Global Trade Law
- Law of the Sea

CAREER PROSPECTS

Graduates of Bangor Law School programmes have excellent prospects for pursuing employment in a wide range of roles. Please see page 57 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/law

Public Procurement Law and Strategy LLM

COURSE DURATION

LLM: 1 year full-time. September intake only.

ENTRY REQUIREMENTS

We welcome applications from those who have a 2.ii undergraduate degree in areas such as Law, Business, Management, Entrepreneurship, Finance, Marketing, Engineering (or any other discipline); OR 3 years' work experience in a procurement-related field (degree not necessary); OR a suitable professional qualification (e.g. MCIPS).

For those holding an undergraduate degree, whilst we do not require any particular type of degree, applications from candidates in the following areas are particularly welcome: Law; Business; Management; Entrepreneurship; Finance; Marketing, Engineering or related areas.

International applicants may be required to provide evidence of English language proficiency in order to satisfy UK visa requirements.

COURSE DESCRIPTION

Bangor University is a major international research centre in relation to the operation of national and European law and policies on public procurement law. Building on this extensive experience, we offer a full-time LLM specialising in Public Procurement Law and Strategy. The main educational aims of the programme include:

- To provide candidates with postgraduate level knowledge and skills in the area of national (UK and Irish), European and International (WTO, World Bank and UNCITRAL) Public Procurement Law and Strategy.
- To build up specialist legal skills and knowledge to equip candidates to operate in the interface between legal principles that apply in the Public Procurement environment and the strategic objectives of interests to organisations in the public and private sectors.

- To provide a flexible programme enabling candidates to develop national, European and international perspectives on Public Procurement law issues and practice, which will open up a whole new area of opportunity for graduates.

A strategic element of the programme is the presentation of learning from the perspectives of both the public procurement function and private sector supplier organisations, to help advance understanding of the complex issues organisations involved in public sector tendering face, and to develop more creative legally compliant public procurement solutions. This is achieved through carefully designed module options and collaborative teaching involving the use of academic and expert procurement law and strategy specialists.

Compulsory Modules:

• Legal Research Methods

This module addresses the development of the necessary skills and research methods to enable the study of legal systems and specific legal issues at Masters level.

• National and European Public Procurement Law

The module exposes students to an understanding of the national and supranational regimes for public procurement in the European Union and the United Kingdom. Students use the knowledge gained to reflect on the procurement principles and process in their own countries. Specifically, students examine the principles and rules from the Treaty on Functioning of the European Union, the EU Procurement Directives, national Procurement legislation, and EU and national case law on the tendering procedures and the procurement process (timescales, documentation, advertisement, prequalification, invitation to tender and evaluation, contract award and supplier remedies, etc.).

• Applied Procurement Research Projects

The APRP consists of research and legal writing project in the field of Public Procurement Law. Through the project, students with support from a supervisor explore a broad range of current themes in Public Procurement Law and Strategy.

Optional modules: (choose 3)

Please note that optional modules, which will run in each year, will depend on academic staff availability.

- International Procurement Regimes
- Procurement Relationships and Ethics
- Strategic Procurement and Leadership
- Risk Management in Public Procurement
- Sustainable and Social Procurement
- Contract Design and Management
- Innovation in Public Procurement
- Litigation Strategies and the Remedies Regime

CAREER PROSPECTS

This programme will be of interest to several categories of applicants.

For those working in a procurement role in either the public or private sectors, it will provide the ideal platform for those who wish to accelerate their career progression.

The course is also suitable for those not yet in full-time employment, but who have a desire to pursue a career in this area. The programme's focus on procurement law and strategy will equip students with the portfolio of key skills required to occupy senior level positions within public and private sector procurement..

For further course details, please see:

www.bangor.ac.uk/go/pg/law

COURSE DURATION

LLM: 2 years, part-time. January intake only

For candidates who do not wish to proceed to the Masters level, there are also 2 exit qualifications available: a Postgraduate Certificate and a Postgraduate Diploma, depending on the number of modules completed.

ENTRY REQUIREMENTS

- an undergraduate degree in Law, Business, Management, Entrepreneurship, Finance, Marketing, Engineering or any other discipline); OR
- 3 years' work experience in a procurement-related field (degree not necessary); OR
- a suitable professional qualification (e.g. MCIPS).

International applicants are normally required to provide evidence of English language proficiency. See page 59 for more details.

COURSE DESCRIPTION

Focussing on procurement law, strategy and practice, this new distance learning programme will equip students with the key skills required to occupy senior level positions within public and private sector procurement. You will gain a prestigious Masters-level qualification with a specialisation in procurement law, strategy and practice, which will provide a springboard for those already working in procurement-related professions to accelerate their career progression.

Those who desire to pursue a career in this area will be provided with a unique opportunity to rapidly elevate their understanding and to enter the profession at a senior level.

The programme will be delivered by the expert multi-disciplinary team at Bangor University's internationally recognised Institute for Competition and Procurement Studies, and supplemented by expert guest masterclasses. Delivered on a part-time, distance learning basis, this course will appeal to candidates who wish to remain in full-time work whilst engaging in part-time study, or those who cannot physically move to the UK to engage in postgraduate study.

Modules:

- Procurement Law and Practice
- Procurement Relationships and Ethics
- Contract Design and Management
- Procuring Innovation
- Strategic Issues in Procurement
- International Procurement Regulation
- Leadership and Risk Management
- Research Methods and Skills

Students who wish to graduate with an LLM will also be required to successfully complete a dissertation / applied procurement research project.

Please note: module information correct at the time of printing. Module content/availability may be subject to change depending on staff exigencies. Please refer to the website for the latest programme and module information.

LINKS WITH INDUSTRY

The delivery programme is led by Bangor University's internationally-recognised Institute for Competition and Procurement Studies, with its multi-disciplinary team of professors and senior academics. The course is further enriched by expert guest lecturers – a central feature of every module. Students will also benefit from the opportunity to network with and learn from procurement leaders and innovators at Bangor University's highly acclaimed annual Procurement Week conference, which features presentations, workshops and seminars by leading procurement professionals from around the world. Those not able to physically attend Procurement Week can participate over the web.

CAREER PROSPECTS

This programme will attract those working in a procurement role in both the public and private sectors, and will provide the ideal platform for those who wish to accelerate their career progression. The course is also suitable for those not yet in full-time employment, but who have a desire to pursue a career in this area. The programme's focus on procurement law, strategy and practice will equip students with the portfolio of key skills required to occupy senior level positions within public and private sector procurement.

For further course details, please see:
www.bangor.ac.uk/go/pg/law



Bangor Law School's annual law Careers Fair, which is attended by regional and UK employers, provides students with a valuable opportunity to network with employers and to discuss their career options with professionals.

PhD, MPhil and LLM by Research

The Law School provides expert PhD and MPhil supervision in a range of legal areas. For a **PhD degree**, candidates are expected to present the results of research in a thesis which represents a significant original contribution to knowledge in the subject area studied, and to undergo a *viva voce* examination. For an **MPhil degree**, candidates are expected to successfully complete an approved programme of supervised research, and to present the results in a thesis. Or, as an alternative to a one-year taught LLM, you can do a one-year **LLM by Research** on a specific research topic and submit a 30,000 word dissertation.

All research students are allocated a supervisor with a research interest in the chosen topic of study. Your supervisor will provide advice and guidance on your choice of topic; the literature in your field and how to access it; your choice of research methods; thesis structure, content and presentation; critical appraisal of drafts of your thesis; and, in the case of PhD students, advice on preparation for the *viva voce* examination.

Prospective applicants are encouraged to consult the Law School website for details of academic staff, their expertise and research interests, and the areas in which the School offers research supervision: www.bangor.ac.uk/law/staff

For further course details, please see:
www.bangor.ac.uk/go/pg/law



Social Sciences

Social Sciences at Bangor is a thriving centre for teaching and research in the fields of Criminology and Criminal Justice, Social Policy and Language Policy.

Our Masters degrees offer thorough training in the principles and practice of social research, whilst allowing students to follow their interests through a range of specialised modules. We are known for the thoroughness of our teaching and our care for students.

We also have a reputation for research of national and international excellence and the products of this research are continually fed into our courses. Many publications and articles by staff have international reputation in particular fields, and the same staff also supervise MA, MPhil and PhD students in their own specialist areas. This means that you will be taught by tutors who are actively researching and publishing in areas you will study.

All of our degree schemes offer a thorough training in the basic principles of social science, a wide choice of specialised subjects, training in the practice of social research and preparation for a wide variety of career opportunities.

Social Sciences bursaries are available for MA and PhD students.

Strengths and expertise

Social Sciences at Bangor has been highly ranked across several disciplines and placed in the top 20 in the UK in the 2014 Research Excellence Framework (REF).

Overview of academic areas covered

Our portfolio of Masters programmes reflects our expertise and commitment to high level postgraduate teaching. These include a range of MA degrees, focusing in particular on Criminology and Criminal Justice; Language Policy and Planning*; Sociology and Social Policy.

The Masters by Research, MPhil and PhD are higher degrees awarded on successful completion of advanced training and research leading to a thesis. The aim of a research degree is to provide broadly based social science training as well as specific training in specialised subject areas that are relevant to the research project. Overall, the training provides the context and the skills for the student to undertake an original investigation, culminating in the preparation of a thesis which represents an independent and original contribution to knowledge.

Career Prospects

A postgraduate qualification in Social Sciences prepares graduates for careers within sectors as varied as criminal justice, law enforcement, policy making and development, youth services, social policy and government agencies.

Masters graduates may also progress to research posts which may inform future policy, and to academic careers at universities.

Research Links/Links with Industry

We are a member of WISERD (Wales Institute of Social and Economic Research, Data and Methods), a collaborative venture between the Universities of Aberystwyth, Bangor, Cardiff, South Wales and Swansea. WISERD's mission is to strengthen social science capacity across Wales through co-operation, joining projects and associated links with centres across the UK and beyond. It brings together social scientists from across Wales who work together to develop a more detailed picture of the people of Wales through the collection, analysis and dissemination of data in areas such as economic activity and growth, education, community participation, health and social care.

All module information is correct at the time of going to print and is subject to change. Please refer to the website for the most current information.

COURSE LIST:

MA

- Comparative Criminology and Criminal Justice
- Criminology and Law
- Criminology and Sociology
- Sociology
- Language Policy and Planning*
- Social Policy

MARes

- Criminology and Criminal Justice, Social Policy, Sociology

PhD/MPhil

- Criminology and Criminal Justice
- Social Policy, Sociology

* This is a Welsh medium course with many bilingual options. Please see the website for the course description.

TO FIND OUT MORE:

Tel: +44 (0) 1248 382085

E-mail: socialsciences.pg@bangor.ac.uk

www.bangor.ac.uk/so

English language requirements

International applicants are normally required to provide evidence of English language proficiency. We normally require:

For MA Criminology and Law:

- IELTS 6.5 (no single element below 6.0)

For all other MA programmes:

- IELTS 6.0 (no single element below 5.5)

For Research degrees (PhD, MPhil, MARes):

- IELTS 6.5 (no single element below 6.0)

Applicants who have not achieved the required level can take English language courses at ELCOS, the University's English Language Centre, prior to the beginning of the academic programme.

Comparative Criminology and Criminal Justice MA

COURSE DURATION

1 year full-time. Also available on a part-time basis. This programme is available to start in either January or September.*

ENTRY REQUIREMENTS

Candidates should have a single or joint honours degree (a good 2.ii or equivalent for non UK degree holders) in Criminology, Sociology, Law, Political Science, Social Studies, Social Policy or a related academic discipline.

Students with relevant professional experience may also be admitted. All applicants in this category will have to provide substantiated evidence in their application and may be interviewed before an offer is made.

International applicants are normally required to provide evidence of English language proficiency. See page 65 for more details.

COURSE DESCRIPTION

While Criminology and Criminal Justice forms one of the most popular social science subjects, the comparative method elicits additional insight. Students have the advantage of a flexible programme, enabling them to develop an international perspective on crime and justice through cross-national approaches and case studies of other societies, and/or 'cutting edge' issues in contemporary criminology and criminal justice. The comparative perspective also includes the urban-rural dimension.

Compulsory Modules:

• Research Strategy and Design

This module provides postgraduate level training in the main varieties of quantitative and mixed methods research in the social sciences, including basic statistical literacy.

• Dissertation

40 to 60 credits from:

- Transnational Crime
- Key Issues in Criminology
- Comparative & International Criminal Justice
- Social Science in Action
- Social Science in Action 2

Additional Optional Modules:

- Social Work with Adults
- Social Work with Children, Young People & Families
- Language Planning
- Researching Community
- Health Policies in Britain
- Key Issues in Social Policy
- Nationalism and Minorities
- Culture, Race and Civilization

CAREER PROSPECTS

Graduates will find employment in a range of organisations dealing with aspects of law enforcement, such as community crime prevention partnerships, the police, prisons and probation service. The voluntary sector also employs criminologists. Further studies form another avenue, including PhD and subsequent jobs in teaching and research, or training for a career as lawyer. Apart from this, a social science qualification can lead to working in politics and the media, or for business and social enterprises.

*Some module options may not be available for students starting in January. Please refer to our website for details.

For further course details, please see:

www.bangor.ac.uk/go/pg/socialsciences

Criminology and Law MA

COURSE DURATION

1-year full time. Also available on a part-time basis. This programme is available to start in either January or September.*

ENTRY REQUIREMENTS

An undergraduate degree in Criminology, Law or a similar subject with at least an upper level 2.ii. Students with relevant professional experience in the areas of Criminology or Law may also be admitted. All applicants in this category will have to provide substantiated evidence in their application and may be interviewed before an offer is made.

International applicants are normally required to provide evidence of English language proficiency. See page 65 for more details.

COURSE DESCRIPTION

Run in conjunction with Bangor Law School, the MA Criminology and Law builds on criminological and legal skills and knowledge so as to provide specialist training in criminological, criminal justice and legal research. The programme enables students to develop an international perspective on crime, justice and law through national and cross-national approaches and case studies of other societies, and/or 'cutting edge' issues in contemporary criminology and law.

A similar programme, LLM Law and Criminology, is offered by Bangor Law School. See page 63 for further details.

Compulsory Modules:

• Key Issues in Criminology

This module will provide specialist training in criminology and criminal justice and deals with crimes that are relevant especially for the UK and Wales, e.g. rural crime and policing, Modern Slavery, driving offences, but also lessons that can be learnt from crime and the responses to it in other jurisdictions.

• Comparative and International Criminal Justice

This module offers critical reflection on the practice of studying criminal justice agencies and institutions comparatively.

• Transnational Crime

This module will provide an examination of several aspects of transnational crime and criminality. Initially there will be discussion of terrorism, state crime and organised crime before moving to look at different forms of transnational criminal activity.

• Dissertation

Optional Modules:

- Forensic Linguistics in Court
- International Criminal Law
- International Human Rights Law
- International Law of Armed Conflict
- Expert Evidence in Court

CAREER PROSPECTS

Graduates will find employment in a range of organisations dealing with aspects of law and crime, from community crime prevention partnerships, to the police, prisons and probation service. Further studies form another avenue, including PhD and subsequent jobs in teaching and research, or training for a career as lawyer. Apart from this, the qualification can lead to working in politics, or for business and social enterprises.

*Some module options may not be available for students starting in January. Please refer to our website for details.

For further course details, please see:

www.bangor.ac.uk/go/pg/socialsciences

Criminology and Sociology MA

COURSE DURATION

1-year full time. Also available on a part-time basis. This programme is available to start in either January or September.*

ENTRY REQUIREMENTS

Candidates should have a single or joint honours degree (a good 2.ii or equivalent for non UK degree holders) in Criminology, Sociology, Law, Political Science, Social Studies, Social Policy or a related academic discipline.

Students with relevant professional experience may also be admitted. All applicants in this category will have to provide substantiated evidence in their application and may be interviewed before an offer is made.

International applicants are normally required to provide evidence of English language proficiency. See page 65 for more details.

COURSE DESCRIPTION

This course combines Bangor University's expertise in criminology and sociology and explores the sociological context of issues in criminology. A wide range of criminology and sociology subjects are studied in order to develop knowledge and understanding of a broad spectrum of topics within these fields, including crime; organisations and administrations in the field of criminal justice; the social causes and consequences of crime; social change and social structures; culture and identity; and related issues.

The broad yet specialised nature of this degree allows students to develop advanced and specialised knowledge and skills in criminological and sociological research.

Compulsory Modules:

• Research Strategy and Design

This module provides postgraduate level training in the main varieties of quantitative and mixed methods research in the social sciences, including basic statistical literacy.

• Research Process and Meaning

This module provides postgraduate level training in the main varieties of qualitative and mixed methods research in the social sciences, including basic literacy in qualitative data analysis.

• Dissertation

Optional Modules:

- Comparative and International Criminal Justice
- Transnational Crime
- Culture, Race and Civilization
- Nationalism and Minorities
- Key Issues in Criminology
- Social Science in Action
- Social Science in Action 2

CAREER PROSPECTS

Graduates will find employment in a range of organisations dealing with aspects of law enforcement, from community crime prevention partnerships, to the police and prison and probation services. Further studies form another avenue, including PhD and subsequent jobs in teaching and research. Apart from this, a social science qualification can lead to working in media and politics, or for business and social enterprises.

*Some module options may not be available for students starting in January. Please refer to our website for details.

For further details, please see:

www.bangor.ac.uk/go/pg/socialsciences

Sociology MA

COURSE DURATION

1-year full time. Also available on a part-time basis. This programme is available to start in either January or September.*

ENTRY REQUIREMENTS

Candidates should have a good undergraduate degree in Sociology or a related subject. Students with relevant professional experience may also be admitted. All applicants in this category will have to provide substantiated evidence in their application and may be interviewed before an offer is made.

International applicants are normally required to provide evidence of English language proficiency. See page 65 for more details.

COURSE DESCRIPTION

This degree is intended for students with a general interest in sociology who wish to update, extend and deepen their knowledge and understand current developments in the field. The programme aims to provide students with opportunities to expand their knowledge of the discipline by engaging with contemporary research and by undertaking historical and comparative study.

Compulsory Modules:

• Research Strategy and Design

This module provides postgraduate level training in the main varieties of quantitative and mixed methods research in the social sciences, including basic statistical literacy.

• Research Process and Meaning

This module provides postgraduate level training in the main varieties of qualitative and mixed methods research in the social sciences, including basic literacy in qualitative data analysis.

• Dissertation

40 to 60 credits from:

- Researching Community
- Social Science in Action 2
- Nationalism and Minorities
- Culture, Race and Civilization

Optional Modules:

- Social Work with Adults
- Social Work with Children, Young People & Families
- Transnational Crime
- Key Issues in Criminology
- Comparative & International Criminal Justice
- Health Policies
- Key Issues in Social Policy
- Social Science in Action 2

CAREER PROSPECTS

Graduates will find employment in a range of sectors valuing critical theoretical, analytical and methodical skills. Further studies form another avenue, including PhD and subsequent jobs in teaching and research. An MA in Sociology can lead to working in politics and the media, or for business and social enterprises.

*Some module options may not be available for students starting in January. Please refer to our website for details.

For further details, please see:

www.bangor.ac.uk/go/pg/socialsciences

Social Policy MA

COURSE DURATION

1-year full time. Also available on a part-time basis. This programme is available to start in either January or September.*

ENTRY REQUIREMENTS

Normally a 2.i in Social Policy or a related academic discipline. Students with relevant professional experience may also be admitted. All applicants in this category will have to provide substantiated evidence in their application and may be interviewed before an offer is made.

COURSE DESCRIPTION

Social policies are ever changing. This degree programme takes stock of the developments and relates them to social, economic and political factors. Theoretical perspectives and methodological implications are introduced. A range of contemporary social policy issues will be discussed. Policies and practices within and across societies are compared. Ethical dimensions of social policy will be pointed out and specialist research training provided.

Compulsory Modules:

• Research Strategy and Design

This module provides postgraduate level training in the main varieties of quantitative and mixed methods research in the social sciences, including basic statistical literacy.

• Research Process and Meaning

This module provides postgraduate level training in the main varieties of qualitative and mixed methods research in the social sciences, including basic literacy in qualitative data analysis.

• Key Issues in Social Policy

This module extends and deepens knowledge and understanding of key issues in contemporary social policy. Links between theoretical analysis in welfare and empirical enquiry in social policy are made, and key issues, debates and concepts in social policy analysis and evaluation are explored.

• Dissertation

At least 40 to 60 credits from:

- Researching Community
- Policy Research & Evaluation
- Health Policies

Optional Modules:

- Key Issues in Criminology
- Social Work with Adults
- Social Work with Children, Young People and Families
- Culture, Race and Civilisation
- Language Planning
- Social Science in Action

CAREER PROSPECTS

The welfare and health sectors form the primary field of employment for graduates of this programme. Other areas of the public service also attract social policy graduates. Apart from this, a social science qualification opens up a multitude of job opportunities related to politics and the media, or with business and social enterprises.

*Some module options may not be available for students starting in January. Please refer to our website for details.

For further details, please see:

www.bangor.ac.uk/go/pg/socialsciences

Bangor University has been ranked amongst the top 10 universities in the UK – and top in Wales – for Social Policy, according to the latest subject league tables published by the Complete University Guide 2019.

Criminology / Criminal Justice / Social Policy / Sociology PhD/MPhil/MARes

COURSE DURATION

PhD: 3 years full-time, 6 years part-time;
MPhil: 2 years full-time, 4 years part-time;
MARes: 1 year full-time, 2 years part-time.

ENTRY REQUIREMENTS

MARes: The criteria for admission onto the programme would normally be a minimum of a 2.ii degree or equivalent, a satisfactory proposal for research, and the ability of the School to effectively supervise the proposed dissertation.

PhD/MPhil: A good honours degree in a related discipline is required. Applicants without a Masters degree in a relevant discipline will be required to undertake a taught research training programme in the first year. Applicants should submit a research outline which must be approved by the Course Director.

International applicants are normally required to provide evidence of English language proficiency. See page 65 for more details.

COURSE DESCRIPTION

The PhD, MPhil and MARes are higher degrees awarded on successful completion of advanced training and research leading to a thesis. The aim of a research degree is to provide broadly-based social science training as well as specific training in specialised subject areas that are relevant to the research project. Overall, the training provides the context and the skills for you to undertake an original investigation, culminating in the preparation of a thesis which represents an independent and original contribution to knowledge.

We provide a stimulating and supportive environment for postgraduate training. The emphasis is on small groups, close working relationships between students and supervisors, and development towards full professional participation in the subject area. For research students we are able to provide both a full ESRC research training programme and high quality expert supervision across a broad spectrum of subjects.

The **MARes** is a one year programme, undertaken entirely by research on a topic proposed by the candidate and approved by the University. A supervisor will be appointed who will provide formal research supervision to the candidate for a 12 month period. At the end of the period, you will be expected to present a piece of work approximately 40,000-50,000 words in length.

The period of registration for the **MPhil** is 2 years full-time (4 years part-time). Award of the MPhil is based on submission of a thesis of 60,000 words in length of acceptable standard, and satisfactory performance in a viva voce examination involving an external examiner.

The period of registration for the **PhD** is 3 years full-time (6 years part-time). Award of the PhD is based on the submission of a thesis not exceeding 100,000 words in length of acceptable standard and satisfactory performance in a viva voce examination involving an external examiner.

Current graduate students are conducting research on:

- The role of UNESCO in the development of the cultural scene and sustaining cultural diversity in the Sultanate of Oman
- Music choices and cultural identity
- The Changing Face of Food Poverty in Wales
- The impact of disability policy re-structuring
- Wives Left Behind: A study on the impacts of men's international labor migration on their wives in Bangladesh
- Making connections? – The potential socio-economic impacts of an all-Wales integrated transport system
- Youth Homelessness North Wales
- Why does communication in youth justice matter?
- Impact of militant activities on the oil and gas sector and the survival of Nigeria as a nation

CAREER PROSPECTS

Social Sciences have excellent prospects for pursuing employment in a wide range of roles. Please see page 67 for more information.

For further course details, please see:

www.bangor.ac.uk/go/pg/socialsciences

Education and Human Development

Bangor University has an established reputation in the field of teacher education. We also have well-established partnerships with Primary and Secondary schools to provide varied and supportive training environments. Under the guidance of enthusiastic staff, the School also provides a wide range of other progressive courses leading to a range of postgraduate qualifications. You can pursue courses through the medium of Welsh or English or bilingually. In the European context this bilingual expertise gives an exciting dimension to all our courses and provides students with opportunities to develop European links.

We offer a friendly atmosphere and students from all regions and different backgrounds quickly settle in. We offer a lively and enriching working and social environment with unrivalled resources for your study.

We are regularly involved in much developmental work, including the field of Welsh-medium education.

Staff and facilities

To help you in your studies we provide a range of learning resources supported by experienced staff. In our Education Library we have an extensive collection of books and journals and many of the journals are available on-line in full-text format. We also have computer labs on site and dedicated postgraduate study rooms for full-time students where they can study, hold seminars and gather to discuss their research in a supported learning environment.

Overview of the academic areas

For almost forty years, Bangor has offered a flexible, part-time, modular Master of Arts which meets both the professional and the personal needs of teachers, health workers, social care staff and other professionals. The School of Education offers two, flexible formats for delivering Education Studies at Masters level, namely, a full-time (with Placement) and a part-time programme.

We offer full and part-time PhD, MPhil and EdD research supervision in a wide range of Educational areas focusing on the areas of research expertise which include Bilingualism/ Bilingual Education, Inclusion/Special Educational Needs and Professional Aspects of Teaching in Schools and in Higher Education.

COURSE LIST:

Postgraduate Certificate in Education – PGCE

- Primary Education
- Secondary Education

MA

- Education Studies (15 months, full-time)
- Education Studies (up to 4 years, part-time)

MRes

- Childhood and Youth

EdD

- Education Doctorate Programme

TO FIND OUT MORE:

Tel: +44 (0) 1248 382933

E-mail: postgrad-education@bangor.ac.uk
www.bangor.ac.uk/education

"Studying at Bangor was a choice that became evident as my son has also undertaken a graduate course here at Bangor University. Moreover I found the overall environment here at Bangor conducive to learning.

As I was previously involved in the profession of teaching, I was awaiting the opportunity to further my academic skills in this regard and therefore decided to take this course that would not only further my understanding of the field of education but would enable me to enhance my teaching skills within this field.

The course comprised four taught modules that covered areas of Bilingualism and Bilingual education, TESOL, World Citizenship and Research methods. In a way I am really grateful to the course director and our tutors for selecting these modules as they have allowed us to develop an insight into different disciplines that can be further explored. In other words the students have been afforded an opportunity through this academic experience to broaden their horizons.

For my Masters project both the Research methods and the Bilingual education modules although challenging, have allowed me to explore the bilingual attitudes and perspectives of the Pakistani Pashtun community towards their heritage language whilst residing in a Welsh/English society such as Bangor. This experience in itself has enabled me to try to fill a small gap in an ongoing process of researching linguistic minorities of the UK.

Further education has many advantages. As mentioned earlier, it broadens one's horizons allowing one to be able to reach one's full potential. It definitely boosts self confidence and helps in deciding as to how a future career can be attained in the field of education and learning.

I feel immensely blessed with the tutors I had during this course. They were not only academically supportive but their mentoring skills helped me overcome the stresses I was experiencing during this time. Their overall encouraging attitude made this course achievable."



FRIHA YASMEEN KHAN from Anglesey, studied an MA Education Studies

Postgraduate Certificate in Education (PGCE) Primary Education (leading to Qualified Teacher Status)

COURSE DURATION

PGCE: 1 year full-time.

ENTRY REQUIREMENTS

Applicants should hold an initial degree that is relevant to the primary curriculum in addition to a grade B or higher in GCSE English Language and GCSE Mathematics and a grade C or higher in GCSE Science on application.

For applicants who secure a place on the course, we will run an equivalence test if you do not already have the GCSE or equivalent qualifications.

COURSE DESCRIPTION

The PGCE course prepares you for teaching in primary schools. It is an intensive 38-week course for graduates who aim to develop and foster the teaching and learning skills required to be a primary school teacher in Wales and beyond.

The school-based component consists of around 24 weeks in a network of partnership schools and the placements are designed to offer contrasting experiences. Lectures and seminars in both University and network schools are closely linked to this teaching experience. You are supported and assessed in school by experienced mentors and have regular contact with your tutors.

It is possible to follow the course through the medium of Welsh or English.

This programme comprises 3 modules with 60 credits at level 7 (Masters' level):

School Experience

60 credits at level 6

You will have the opportunity gradually to build your confidence and develop your teaching skills in the classroom and other settings, learn about children's development and needs, their learning and the curriculum, all with the support of experienced teachers and mentors in our Lead and Network schools and at the university. Teaching skills gained will be valued and transferable beyond Wales; in particular, QTS gained from a course accredited by the EWC is also accepted in England.

Through School Experience you will learn from the focused observing of highly experienced teachers and will develop confidence to teach groups and whole classes both collaboratively and independently.

Professional, Pedagogical and Core Studies in Primary Education

30 credits at level 7

Within this module you will consider: the diversity of educational settings; cultural, social and emotional influences on children's development and learning; approaches to managing behaviour, planning for and assessing children's learning; current policy and the role of research in developing educational practice. Personal Welsh language skills and an understanding of Welsh culture and heritage will also be developed in this module. In regard to Welsh language, progress from personal starting points will be individualised.

Subject Studies in Primary Education

30 credits at level 7

Through workshop sessions in school and university you will explore learning, teaching and assessment across the range of primary subjects and areas of learning and experience. These include: Health and well-being; Literacy, language and communication; Mathematics and numeracy, Science and technology; and Expressive arts. You will look in depth at the pedagogy of the subjects as well as cross-curricular approaches to learning. In addition, you will learn how to develop children's literacy, numeracy and digital skills across the curriculum. For this module you will undertake a small-scale professional enquiry into practice.

CAREER PROSPECTS

Successful trainees will possess the teaching skills which meet the statutory standards for awarding Qualified Teacher Status (QTS). You will have developed the appropriate learning skills which enable you to become reflective practitioners who, in your planning and teaching, can analyse, synthesise, use and manage, and evaluate materials and procedures and professional practices. The transferable skills acquired through this course will be beneficial throughout your career.

For further course details, please see:
www.bangor.ac.uk/go/pg/education

Postgraduate Certificate in Education (PGCE) Secondary Education (leading to Qualified Teacher Status)

COURSE DURATION

PGCE: 1 year full-time.

ENTRY REQUIREMENTS

Applicants should hold an initial degree that is relevant to the primary curriculum in addition to a grade B or higher in GCSE English Language and GCSE Mathematics.

For applicants who secure a place on the course, we will run an equivalence test if you do not already have the GCSE or equivalent qualifications.

COURSE DESCRIPTION

The PGCE course prepares you for teaching in secondary schools. It is an intensive 38-week course for graduates who aim to develop and foster the teaching and learning skills required to be a primary school teacher in Wales and beyond. The school-based component consists of around 24 weeks in a network of partnership schools and the placements are designed to offer contrasting experiences. Lectures and seminars in both University and network schools are closely linked to this teaching experience. You are supported and assessed in school by experienced mentors and have regular contact with your tutors.

It is possible to follow the course through the medium of Welsh or English.

This programme comprises 3 modules with 60 credits at level 7 (Masters' level):

School Experience

60 credits at level 6

You will have the opportunity gradually to build your confidence and develop your teaching skills in the classroom and other settings, learn about children's development and needs, their learning and the curriculum, all with the support of experienced teachers and mentors in our Lead and Network schools and at the university. Teaching skills gained will be valued and transferable beyond Wales; in particular, QTS gained from a course accredited by the EWC is also accepted in England.

Through School Experience you will learn from the focused observing of highly experienced teachers and will develop confidence to teach groups and whole classes both collaboratively and independently.

Professional, Pedagogical and Core Studies in Secondary Education

30 credits at level 7

Within this module you will consider: the diversity of educational settings; cultural, social and emotional influences on children's development and learning; approaches to managing behaviour, planning for and assessing children's learning; current policy and the role of research in developing educational practice. Personal Welsh language skills and an understanding of Welsh culture and heritage will also be developed in this module. In regard to Welsh language, progress from personal starting points will be individualised.

Subject Studies in Secondary Education

30 credits at level 7

Through workshop sessions and collaborative activity in school and university you will explore learning, teaching and assessment within your specialist subject. You will also explore the areas of learning and experience which most closely relate to your specialist subject. These include: Health and well-being; Literacy, language and communication; Mathematics and numeracy, Science and technology; and Expressive arts. You will look in depth at the pedagogy of your specialist subject as well as cross-curricular approaches to learning. In addition, you will learn how to develop pupils' literacy, numeracy and digital skills within your subject. For this module you will undertake a small-scale professional enquiry into practice.

CAREER PROSPECTS

Successful trainees will possess the teaching skills which meet the statutory standards for awarding Qualified Teacher Status (QTS). You will have developed the appropriate learning skills which enable you to become reflective practitioners who, in your planning and teaching, can analyse, synthesise, use and manage, and evaluate materials and procedures and professional practices. The transferable skills acquired through this course will be beneficial throughout your career.

For further course details, please see:
www.bangor.ac.uk/go/pg/education

Education Studies MA

COURSE DURATION

MA: 15 months full-time.

ENTRY REQUIREMENTS

A 2.ii honours degree is required and relevant work experience as a teacher/lecturer or teaching assistant is preferred. Applicants who are not native-English speakers should have either an IELTS result of 6.5 or above, with no individual score lower than 6.0. Students with lower scores may undertake a pre-session English course at ELCOS the University's English Language Centre. Applicants may be required to be interviewed in person.

COURSE DESCRIPTION

Our full-time course is a 15 month programme that caters for the needs of those who wish to gain an MA degree through intensive full-time study. The course has been designed to appeal to both home and international students.

Modules:

- Curriculum Development (30 credits)
- Assessment (30 credits)
- Leadership and Management (30 credits)
- Research methods (30 credits)
- Dissertation (60 credits)
- Placement module (students will have a period of placement in local schools) (20 credits)

English language modules:

International students have the option to take English language modules as part of their MA programme in:

- Academic Writing and Grammar
- Advanced Vocabulary Use and Reading
- Speaking and Listening

Some teaching may take place at the weekend and late afternoon.

Placements

You will be placed at either a primary, secondary, nursery or further education college where you will observe classroom teaching, the learning strategies used by teachers and have first-hand experience of the UK education system. Placements will also allow you to reflect on your studies and observe how the theory is put into practice, which will help your further development and professional competence. All students must complete the placement module successfully to pass the course.

*Students must ensure they bring all documentation for a criminal record check at the start of the course. Students cannot be placed at school without the required criminal record check.

Core Modules:

- Research Methods
- Placement
- Dissertation

ATTENDANCE

You are expected to have a full attendance record. Absence from sessions can only be permitted with very good reason and must be notified in writing to either the Module Convenor or Course Administrator.

EXIT AWARD

You can exit the programme with a Postgraduate Certificate, having gained 60 credits, or with a Postgraduate Diploma having gained 120 credits.

CAREER PROSPECTS

Our graduates are highly desired in many areas of employment. Most of them find employment in schools and universities. Some enter companies to become trainers for their staff. Some become administrators and education officers in government departments.

For further course details, please see:

www.bangor.ac.uk/go/pg/education

Education Studies MA (part-time)

COURSE DURATION

MA: up to 4 years part-time.

ENTRY REQUIREMENTS

Applicants must have either an initial degree, a recognised equivalent qualification, or have at least three years' relevant professional experience.

All applicants will be asked to provide the name of a referee, who can vouch for the ability of the applicant to study at Master's level. Occasionally, applicants may be asked to attend for interview before an offer of a place can be confirmed.

Some modules may stipulate an additional, specific entry requirement, for example, previous teaching experience.

COURSE DESCRIPTION

The well-established part-time MA Programme gives you flexible opportunities to study modules in an extensive range of subject areas to enhance your own professional development.

The five-weekends-per-year format around which the Master's programme is organised suits both local people and those travelling from further afield, and offers a supportive, friendly atmosphere in which to learn.

Modules include:

- Behaviour Management
- Digital Competency
- Dyslexia Theory
- Mental Health
- Research Methods
- Teaching of learners with a SpLD (Dyslexia)

Successful completion of four taught modules allows you to progress to your research dissertation and a full Master's degree. A postgraduate certificate, or a postgraduate diploma, is available as an exit award for those students wanting to study only the taught modules.

CAREER PROSPECTS

Most students on this course are practising teachers, counsellors or social workers for whom a Master's level qualification is an excellent way to develop their careers. With a free module choice, you can select the topic areas relevant to the work you are already doing, or to the work you aspire to do. This part-time Master's degree in Education Studies will give you the confidence and competence to take on new responsibilities, or to embark on a complete change of direction in your career.

For further course details, please see:

www.bangor.ac.uk/go/pg/education

Childhood and Youth MRes

COURSE DURATION

MRes: 1 year full-time; 3 years part-time
Students can exit with a Postgraduate Certificate in Childhood and Youth (60 credits).

ENTRY REQUIREMENTS

Applicants should normally have a good first degree in social science, psychology, law, or education related subjects, and/or at least two years' professional experience of work with children and/or young people.

For those whose first language is not English, the minimum English language requirements is:

- IELTS: 6.5 (with no individual score lower than 6.0)
- Pearson PTE: 62 (with no individual score lower than 58)
- Cambridge English Test – Advanced: 176 (with no individual score lower than 169)

COURSE DESCRIPTION

The fundamental aim of this MRes programme is to enable students to engage with some of the pivotal debates about children and childhood in contemporary society. Central to this will be to explore the different ways that childhood and youth is understood socially and culturally: the programme will help students reflect on their own beliefs and values and how these may impact on their work with children and young people.

In particular, the MRes programme encourages students to challenge any taken-for-granted assumptions and ideas about children and young people in society. For example, we may debate questions such as: when does a child really become an adult? What do participation rights mean in practice? Are children and young people passive victims or empowered consumers in the 21st century?

Core Taught Modules:

- Research Methods (30 credits)
- Sociology of Childhood and Youth (30 credits)
- Dissertation (120 credits)

Dissertation

On successful completion of Part 1, students will write a 30,000 word dissertation on a topic of their choice that is relevant to the multidisciplinary field of Childhood and Youth studies; this will have been outlined by students in their Proposal at the application stage.

EXIT AWARD

Students can exit with a Postgraduate Certificate in Childhood and Youth (60 credits).

CAREER PROSPECTS

Overall, the MRes programme will equip students with key transferable expertise such as presentation skills, strong critical and analytical skills, and the ability to work independently on a substantial research project.

MRes graduates will possess a strong understanding of conceptual, ethical and practical concerns that may impact on policy and practice in diverse environments with children and young people; as such they will be equipped to work in a broad range of children's services contexts, advocacy, national and international NGO/charity contexts, as well as an academic research career.

For further course details, please see:

www.bangor.ac.uk/go/pg/education

Doctorate in Education Studies EdD

COURSE DURATION

EdD: 3 years full-time; 5 years part-time.

ENTRY REQUIREMENTS

Prior study at Masters' level is normally required for entry on to the EdD

Applicants who are not native English speakers should have either an IELTS result of 6.5 or above, with no individual score lower than 6.0.

Applicants are required to submit a research proposal and to be interviewed in person or by other means.

COURSE DESCRIPTION

Part One – Taught modules

Six modules are taken in the first year by full-time students and in the first two years by part-time students. The six modules include:

Compulsory Modules:

- Research Methods in Education
- Thesis Proposal

Optional Modules:

You choose 4 level-7 modules from those offered (for details, see MA in Education studies Programme on page 105). These modules are taught during weekdays or at weekends depending on whether you are a full-time or part-time student.

Part Two – Thesis

You must have successfully completed Part 1 before you can progress to Part 2. The thesis is an in-depth work on a specialist topic to be completed within 2-4 years for full-time students or within 3-5 years for part-time students. You are expected to present a thesis that meets the criteria set by Bangor University. It should have a maximum length of 50,000 words. You will be required to defend it in oral examination attended by two examiners (one internal and the other external) appointed by the College.

EXIT AWARDS

You can exit the programme with the EdM degree having gained 180 credits in Part 1.

CAREER PROSPECTS

The EdD degree is regarded the same as a PhD degree and are highly desired in today's society. Many of our graduates work in schools and universities. Some become administrators and education officers in government departments. Some will also work in different industries.

For further course details, please see:

www.bangor.ac.uk/go/pg/education

School of Health Sciences

The School of Health Sciences recognises and values postgraduate students who come to study with pre-existing knowledge, skills, experience, values and beliefs, and these will be taken as a starting point for development. The School is a friendly and supportive place to study. We pride ourselves on supporting students in an environment that establishes and maintains a high standard of quality and excellence in teaching and learning as well as research.

Overview of academic areas

We offer a range of postgraduate pathways which include both pre-registration and post registration programmes i.e. pathways that lead to a professional qualification or further professional development for students who already hold a professional qualification. These pathways are accessed by all health professional groups (e.g. medicine, nursing and the allied health professions), but also staff working in related roles in health service management; social care; and the voluntary sector.

Our MSc programmes have been developed in collaboration with health and social care organisations in the UK and in response to our experience and work internationally. This ensures the relevance and credibility of our programmes. All courses are multi-disciplinary and inter-professional, enabling you to draw on a range of clinical and service-oriented experiences. Many programmes comprise both theory and practice elements; these are designed to respond to the changes brought about by research, changes in society, health and social care needs.

Within the School of Health Sciences the BIHMR offers a variety of exciting opportunities for engaging in a postgraduate research programme for PhD, MPhil or MSc by Research. It provides an excellent environment and training programme for postgraduate research students of health and medical research that enables personal and professional growth. The five research groups represent a substantive reservoir of expertise and interests and potential areas of interest for postgraduate study.

Our staff typically blend a wide range of teaching and learning methods within academic programmes. Blended learning offers a flexible approach to learning, which gives students choices about when, where and how they learn. Moreover, this provides good opportunities to enhance students' learning in and about the realities of work in clinical and health environments.

Bangor Institute of Health & Medical Research

Bangor University launched the Bangor Institute of Health and Medical Research (BIHMR) in 2016 in order to build on our innovative research programme, providing an integrated platform for dedicated health-based research and postgraduate research work within the school of Health Sciences. BIHMR advances an established foundation of research excellence and focuses on six core research groups: Ageing & Dementia@Bangor (including the Dementia Services Development Centre.) Implement@BU, the North Wales Organisation for randomised trials in health (NORTH), the Centre for Health Economics and Medicines Evaluation (CHEME), the North Wales Centre for Primary Care Research (NWPCPR) and the Centre for Mental Health and Society (CFMHS).

See the end of the section for more information on our research groups.

Staff and facilities

Staff are drawn from a variety of professional backgrounds and our experienced researchers and lecturers in health and social care and wellbeing are committed to our central aim of helping students to achieve the knowledge and skills required for academic and clinical practice delivery. We have strong links with Betsi Cadwaladr University Health Board and other health and social care providers in north Wales and we also offer conferences, seminars and workshops on key health and social care issues. All of our programmes are co-produced with National Health Service and other partners to ensure that the knowledge and skills our students acquire are relevant to future employers.

Our students have the opportunity to gain clinical experience in a bilingual context. You will have many opportunities to experience bilingual clinical practice and education, enriching your learning experience and future employability.

We have an extensive health and social care library collection. We also have an Accreditation of Prior Learning Scheme, so that previous academic experiences may be accredited.

COURSE LIST:

Continuous Professional Development

- BSc Health Studies*

Level 6 and Level 7 Awards module

- Independent Prescribing*
- Non-medical Prescribing*
- Return to Practice Nursing*
- Endoscopy* (Level 7 Awaiting Validation)

PgDip

- Adult Nursing

Graduate Certificate (GC)

- Chronic Disease*
- Emergency Practitioner*
- General Practice Nursing*

MSc/PgDip/PgCert

- Advanced Clinical Practice[#]
- Advanced Clinical Practice AHP
- Advanced Healthcare Practice*
- Advanced HEMS
- Ageing - Research & Practice*
- Applied Health Research (e-learning)*
- Dementia Studies
- Leading Quality Improvement
- Midwifery Studies*
- Non-surgical Aesthetic Medicine
- Palliative Care*
- Public Health and Health Promotion

MA

- Social Work

PG Cert

- Acute Medical Care*
- Acute Surgical Care*
- Contraception and Associated Health*
- Diabetes Care and Management*
- Examination of the Newborn*
- Intensive Care Nursing*
- Legal & Ethical Concepts in Healthcare*
- Mental Health*
- Optimising Breastfeeding*
- Optimising Childbirth*
- Prudent Healthcare*

MSc by Research

- Fields listed on course page

PhD/MPhil[#]

- Health Sciences* [#]
- Health Economics*
- Implementation*
- Primary Care*
- Ageing and Dementia*
- Health and Social Care*

DHLTH

- Professional Doctorate in Healthcare*
- Professional Doctorate in Public Health *
- Professional Doctorate in Ageing & Dementia*

[#] International students are advised to contact the School before applying.

*please see website for course details.

TO FIND OUT MORE:

Tel: +44 (0) 1248 383123

E-mail: admissions.health@bangor.ac.uk
www.bangor.ac.uk/healthcaresciences

Adult Nursing PgDip

COURSE DURATION

PgDip: 2 years full-time.

ENTRY REQUIREMENTS

To apply for the Post Graduate Diploma Adult Nursing an applicant would normally have achieved a 2.i honours degree in a health or a related subject within the last 5 years, and be able to demonstrate 700 hours of healthcare related experience.

The NMC also require that evidence of 'Good Health and Good Character' be obtained, and in addition to the supportive reference to the application, the School has adopted the All Wales Good Character reference. Good Character is further assessed by way of a Full/Enhanced DBS report.

COURSE DESCRIPTION

This PGDip in Adult Nursing leads to registration with the Nursing and Midwifery Council and offers graduates a funded route over two-years into nursing whilst simultaneously obtaining a postgraduate qualification. This postgraduate qualification is aimed at graduates who wish to develop and apply the knowledge gained through their undergraduate degree and pursue a career in the front-line delivery of health care services. The aim of this course is to prepare a registered nurse who is able to offer an excellent quality of compassionate care, enhanced leadership, management and holds inter-professional and research skills, in order to influence practice and initiate change.

Students will graduate from the programme as adult nurses, with the necessary knowledge, skills, competence and values required to meet required Statutory requirements for registration. Note: As this is a funded programme by the Workforce, Education and Development Service (WEDS) international students will not be able to apply for this programme of study.

Modules:

Year 1

- Principles of Adult Nursing
- Legal & Ethical Concepts
- Adults with Chronic Conditions
- Physiology & Pathophysiology
- Nursing Practice 1PGD

Year 2

- Adults with Complex Needs
- Lead, Innovate and Implement
- Clinical Decision Making & Evidence Based Practice
- Nursing Practice 2 PGD

CAREER PROSPECTS

Students successfully completing the Post Graduate Diploma Adult Nursing are able to register their professional status with the Nursing and Midwifery Council and seek employment as a registered nurse. Those who are able to register with the NMC will be expected to work in Wales for a period of two years in accordance with the guidance provided by Welsh Government.

Employability rates are high in comparison to other graduates (Currently 100% of graduates of all undergraduate nursing degrees are in a professional/managerial position after 6 months (KIS)), given the professional competence and qualification in association with a degree. Career opportunities once employed as registered nurse are excellent and can lead to promotion opportunities in clinical practice/specialism, research or education.

For further course details, please see:
www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

Advanced Clinical Practice MSc/PgDip/PgCert

COURSE DURATION

MSc: 1 year full-time, 3 years part-time.

ENTRY REQUIREMENTS

Please note: Only qualified professionals registered with the National Midwifery Council (NMC) or Health and Care Professionals' Council (HCPC) in the UK may be admitted onto this course. Entry to the MSc Advanced Clinical Practice programme requires a relevant first degree in a relevant subject from a recognised institution. Working professionals with non-graduate qualifications will be considered on an individual basis by the School.

COURSE DESCRIPTION

The programme has been developed to enhance the professional knowledge of physiological and pathophysiological processes which, together with social and psychological phenomena, underlie health and disease. The aim is to develop autonomous postgraduates with advanced professional knowledge and skills who can contribute to the modernisation of the NHS and other organisations in the UK and internationally.

Core Modules:

• Physiology and Pathophysiology

This module has been developed to enhance your knowledge of the physiological and pathophysiological processes which, together with social and psychological phenomena, underlie health and disease.

• Consultation Skills[#]

This module focuses on communication and using a medical model for taking a clinical history. The consultation is a private and intimate interaction and this module aims to challenge practice and highlight issues such as effective engagement and barriers to therapeutic communication.

• Physical Examination and Diagnostics^{##}

This module is designed to equip practitioners with skills to enable a lead in advanced access in a range of healthcare environments.

• Research Methods or e-Research Methods

This module is an introduction to research methods and presents a platform for you to engage in both quantitative and qualitative research approaches and develop an ability to utilise specific research techniques.

• Dissertation – supervised research project (20,000 words)

Optional Modules (depending on enrolment) include:

- Dementia
- Leadership in Context
- Ill Adult/Medical Management
- Pharmacology and Non-Medical Prescribing
- Diabetes Management
- Work-based Learning
- Renal Nursing
- Professional Development Portfolio
- Accountability in Health & Social Care
- Social and Behavioural Sciences
- Epidemiology
- Introduction to Health Economics
- Public Health Nutrition
- Emergency Practitioner

CAREER PROSPECTS

This MSc course has been developed in collaboration with professional health and social care organisations in the UK and includes competencies assessed in the clinical environment. The course has been designed for healthcare professionals who wish to study at an advanced level to increase their knowledge, skills and attributes so that they can contribute to modern day health and social care challenges.

For further course details, please see:
www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

[#] Sign off by mentor in practice

^{##} Modules require a minimum 60 hours clinical log and successful completion of clinical competencies related to end module.

Advanced Clinical Practice (AHP) MSc/PgDip/PgCert

COURSE DURATION

MSc: 3 years part-time.

ENTRY REQUIREMENTS

Please note: Only qualified professionals registered with the Health and Care Professionals Council (HCPC) in the UK maybe admitted onto this course. Entry to this programme requires a good first degree in a relevant subject from a recognised institution. Working professionals with non-graduate qualifications will be considered on an individual basis by the School.

COURSE DESCRIPTION

The programme has been developed to enhance professional knowledge of allied health professionals interested in undertaking the role of advanced clinical practitioner. The aim is to develop autonomous postgraduates with advanced professional knowledge and skills who can contribute to the modernisation of the new NHS and other organisations in the UK.

Core Modules:

• Leadership in Context

This module explores processes involved in leading and facilitating the implementation of change in health and social care drawing on a range of theory and evidence

• Developing Advanced Practice

This blended learning modules facilitates the development of knowledge and skills required to become an Advanced Practitioner through focusing on the four Pillars of Advanced Practice and the development of the Advanced Practice Portfolio.

• Research Methods or e-Research Methods

This module is an introduction to research methods and presents a platform for you to engage in both quantitative and qualitative research approaches and develop an ability to utilise specific research techniques.

• Dissertation – supervised research project (20,000 words)

Optional Modules include:

- Physiology and Patho-physiology
- History Taking and Consultation Skills
- Physical Examination and Diagnostics
- Epidemiology
- Introduction to Health Economics
- Accountability in Health and Social Care
- Ill Adult Management
- Non-medical Prescribing
- Diabetes Management
- Nutrition
- Professional Development Portfolio
- Work-based Learning
- Dementia

CAREER PROSPECTS

This course has been developed in collaboration with professional health and social care organisations in the UK and includes competencies assessed in the clinical environment. The course has been designed for allied health professionals who wish to study at an advanced level to increase their knowledge, skills and attributes so that they can contribute to modern day health and social care challenges.

Advanced HEMS MSc/PgDip/PgCert

COURSE DURATION

MSc: 3 years part-time.

ENTRY REQUIREMENTS

A 2.i or 1st class degree is required. If you have a 2.ii degree, your suitability will be based on your personal statement and reference. All applicants will need to provide: Strong references and personal statement and at least one of the following (the employer's letter of support is likely to fulfil one of the criteria below):

- Evidence that you will have access to clinical attachments to complete the core course elements
- Confirmation from a hospital (e.g. Health Board Honorary Contract, letter from a Departmental Lead Clinician) that the student will be allowed to attend theatres/ICU to complete key critical care elements of the programme OR
- Confirmation from an air ambulance service that the student will have access to a clinical attachment of sufficient duration to complete key prehospital elements of the programme.

If selected, you will be asked to attend an interview by University academic personnel and Clinical Staff to confirm candidate suitability.

COURSE DESCRIPTION

The aim of this programme is to provide a robust academic framework for individuals who are training to become an advanced practitioner in rotary aviation medicine. The course covers both prehospital care and retrieval, including the management of critically ill patients requiring level 3 inter-hospital transfer. It is intended for experienced healthcare professionals who wish to formalise and develop their practice, and will require learners to develop within credible practice settings. The course is intended to be challenging, and will require learners to demonstrate proficiency in targeted clinical assessment, rapid diagnostics, therapeutics, and clinical management in the prehospital environment.

Core Modules will include:

- History Taking and Consultation Skills
- Physical Examination and Diagnostics
- Core elements in prehospital care
- Retrieval Medicine 1
- Retrieval Medicine 2

For further course details, please see:

www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

Dementia Studies MSc/PgDip/PgCert

COURSE DURATION

MSc: 1 year full-time, 3 years part-time.

ENTRY REQUIREMENTS

A good first degree in a relevant subject from a recognised institution. Degree subjects acceptable for all programmes: Nursing, Midwifery, Occupational/Speech and Language Therapy, Physiotherapy, Medicine/Dentistry, Psychology, Radiography, Paramedics. English language standard – we ask for an IELTS score of 6 with no individual score less than 5.5 (or equivalent). This does not apply to all prospective candidates, please ask for advice as your Bachelor degree may be sufficient to meet this requirement. Working professionals with non-graduate qualifications will be considered on an individual basis.

COURSE DESCRIPTION

This programme builds upon existing theoretical perspectives and research evidence underpinning applied health and social care practice in the field of dementia care. It critically examines current theory, practice and policy in order to advance appropriate approaches to dementia care from the disciplines of mental health, health and social care management. The course seeks to develop a framework for students to engage in active person- and family-centred care of people with dementia across diverse acute and community settings. It positions assessment, care planning and interventions as strategies that respond to the complexity of dementia as a lived experience, including attention to bilingual therapeutic interventions in order to develop excellence in service delivery.

Core Modules:

• Positioning in Dementia Care

This module seeks to enhance the understanding of the various discourses around dementia care and to promote an awareness of the impact of such discourses on the nature and format of care delivery.

• Dementia: Managing Complex Transitions

This module will equip students with the knowledge and skills to work effectively with people with dementia and family carers, during periods of crisis or when faced with complexity, upheaval, change or transition.

• Communication in Dementia Care

This module will focus upon critically analysing the role of communication in relation to understanding the lived experience of dementia, engagement with a person with dementia and in the assessments that occur within dementia care, giving careful consideration to the bilingual aspect of communication.

• Culturally Sensitive Care

This e-learning module is designed to focus on an understanding of the complexity of language and its cultural context within dementia care. It seeks to examine and reflect on how people 'position' their approach to language within clinical discourse as an 'act' that engages person centred approach, involving the concepts of compassion and dignity.

• Leadership in Context

Explores processes involved in leading and facilitating the implementation of change in health and social care drawing on a range of theory and evidence.

• Research Methods or e-Research Methods

This module is an introduction to research methods and presents a platform for students to engage in both quantitative and qualitative research approaches and develop an ability to utilise specific research techniques.

• Dissertation – supervised research project (20,000 words)

CAREER PROSPECTS

This programme provides student-focused learning that critically examines both the theory and practice framing contemporary approaches to health and social care management for people with dementia. It has no placements or clinical competencies, making it suitable for local and international candidates who wish to study at this level as a career requirement or for academic progression.

For further course details, please see:
www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

Non-surgical Aesthetic Medicine MSc/PgDip/PgCert

COURSE DURATION

MSc: 3 years part-time.

ENTRY REQUIREMENTS

Candidates should have a 2.i or 1st class degree in a relevant subject. Candidates with a 2.ii degree, will be assessed for their suitability, based on a personal statement and reference. Candidates must be U.K. registered, with their Professional, Statutory Regulatory Body, and must hold a minimum of 2 years post qualification experience. Candidates must also have completed IELTS 6.5, where English is not the applicant's first language. Candidates must identify and provide evidence of access to an appropriate clinical placement and practice teacher.

COURSE DESCRIPTION

This MSc/ PgDip/ PgCert will prepare U.K. registered doctors, nurses and dentists, to deliver safe, person-centred non-surgical aesthetic practices.

Year 1 (PgCert), reflects 'gold standards' and evidence based frameworks for aesthetic practice. Successfully completing the PgCert, will demonstrate comprehensive knowledge of the ethical and legal issues underpinning aesthetic practice, and will demonstrate a mastery level of knowledge of facial anatomy, physiology and ageing. Students will also be able to demonstrate and apply evidence based decision-making, regarding the suitability of defined treatment modalities, or pharmacological interventions, and will be able to provide a range of evidence-based skills, designed to ensure the safe delivery of professional cosmetic practice. Successful completion of year 1, will allow students to practice as a non-surgical aesthetic practitioner.

Year 2 (PgDip), provides an introduction to research methods, preparing students for the MSc dissertation module in year 3. Students also have the autonomy to select from a range of modules, including: non-medical prescribing, advanced non-surgical aesthetic practice or legal and ethical concepts, designed to further expand the students knowledge and skills as a non-surgical aesthetic practitioner.

Year 3 (MSc Dissertation) offers students an opportunity to complete a piece of contemporary research or scholarly enquiry, related to non-surgical aesthetic medicine. Successful completion of the dissertation module, will lead to an MSc in Non-surgical Aesthetic Medicine award.

Core Modules: (Please Note: Modules may be subject to change):

- Fundamentals, professional standards, assessment and decision making within non-surgical Aesthetic Medicine
- Safe administration & management of non-surgical aesthetic medicine (includes 40 hours clinical practice)
- e-Research
- Research thesis / dissertation

Optional Modules:

- Non-medical Prescribing V300 (Registered Nurses only)
- Advancements in Non-surgical Aesthetic Medicine
- Legal and Ethical Concepts
- Advancing Professional Knowledge

The taught components of the part-time PgCert, are largely delivered via online e-lectures, discussion boards, and 40 hours of hands-on practice based learning, which facilitates a flexible and accessible approach for U.K. wide students. The PgCert also adopts an interactive cadaver laboratory workshop, which is included within the course fee.

CAREER PROSPECTS

A career in private non-surgical aesthetic medicine can provide practitioners with autonomous and independent careers in aesthetic medicine, but can also lead to roles within clinic or hospital settings, such as those hospitals who provide cosmetic medicine and surgical procedures. Furthermore, with the anticipated growing numbers of practitioners entering into non-surgical aesthetic medicine, opportunities, including teaching, mentorship or strategic industry involvement are ever more likely, in order to continually improve and develop this innovative and rewarding professional career.

For further course details, please see:
www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

Public Health and Health Promotion MSc/PgDip/PgCert

COURSE DURATION

MSc: 1 year full-time, 3 years part-time.

ENTRY REQUIREMENTS

Entry to the MSc Public Health and Health Promotion programme requires a 2.ii degree in a relevant subject from a recognised institution. Degree subjects acceptable for all programmes: Nursing, Midwifery, Occupational/Speech and Language Therapy, Physiotherapy, Medicine/Dentistry, Psychology, Radiography. Other subjects also considered.

English language standard – we ask for an IELTS score of 6.0 with no individual score less than 5.5 (or equivalent). This does not apply to all prospective candidates, please ask for advice as your Bachelor degree may be sufficient to meet this requirement.

Working professionals with non-graduate qualifications will be considered on an individual basis by the School.

COURSE DESCRIPTION

This programme is intended for professionals interested in promoting health and wellbeing and has been developed in collaboration with practitioners and specialists in the field of public health and health promotion in the UK. This programme attracts students from a wide range of health and social care disciplines, facilitating multi-disciplinary learning. It provides opportunity for students to develop their skills to manage change, lead public health programmes, and to work with individuals, groups and communities.

The programme aims to develop people who:

- have public health and health promotion knowledge and skills;
- understand the inter-relationships between the factors that influence health;
- can critically analyse and reflect on public health and health promotion theory, research and practice;
- can present evidence on the basis of underpinning theory and understanding
- have the necessary skills, motivation and commitment to engage in lifelong learning and continuing professional development.

Core Modules:

• Social & Behavioural Sciences

This module aims to identify and analyse social, psychological, political and cultural influences affecting public health and health promotion policy and practice.

• Health Economics

This module aims to introduce you to different methods for the finance and delivery of health care and provide you with international examples drawn from the Europe, Africa, Arab states, Australia and US.

• Epidemiology

This module explores and critically appraises the key concepts of epidemiology and their application to public health and health promotion.

• Principles & Practice of Public Health Promotion

This module identifies the main theoretical principles and critically assesses the models that affect the practice of Public Health, Health

Education and Health Promotion focussing on policy and practice.

• Research Methods or e-Research Methods

This module is an introduction to research methods and presents a platform for you to engage in both quantitative and qualitative research approaches and develop an ability to utilise specific research techniques.

• Dissertation - supervised research project (20,000 words)

Optional Modules include:

- Public Health Nutrition
- Accountability in Health and Social Care
- Leadership in Context
- Work-based Learning

CAREER PROSPECTS

This programme provides a broad view of public health and health promotion and has no placements or clinical competencies thus making it suitable for local and international candidates who wish to study at this level as a career requirement or for academic progression. It provides a basis for students of public health and health promotion to develop skills that can be applied when working with individuals, groups and communities in a broad range of public health and health promotion related careers.

For further course details, please see:

www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

Social Work MA

COURSE DURATION

MA: 2 years full-time.

ENTRY REQUIREMENTS

A single or joint honours degree at 2.ii or above. Candidates who can demonstrate extensive, strong relevant experience of at least 6 months (full-time equivalent) will be considered. All the better if prospective students have varied experiences of working with different types of needs, be that in a paid, voluntary or personal capacity.

We also require GCSE grade C or equivalent in Maths and English/Welsh (first language). The ability to communicate through the medium of Welsh is desirable.

All applicants must pass checks deemed necessary for registration as a student social worker with the Social Care Wales (including health and criminal conviction checks).

Additionally, all applicants will be interviewed to ascertain their suitability and capacity for study and practice.

It is advantageous to hold a full driving licence and have access to a car as the majority of the practice learning opportunity settings require drivers.

COURSE DESCRIPTION

The MA Social Work team work in partnership with Gwynedd, Anglesey and Conwy local authorities to develop, deliver and manage this Social Work programme. Partner local authorities are involved in recruitment, student selection, teaching and assessment. The partners also provide placement opportunities along with other employing agencies, and ensure that you develop a strong understanding of social work practice in North Wales alongside your academic development.

Each student is hosted by one of the local authorities (Gwynedd, Conwy or Anglesey), in an arrangement which supports your development towards being a competent social worker. You will undertake 200 days of practice learning divided into 2 placements of 100 days each. Most placements will be within the three counties, but some students will be able to benefit from opportunities further afield.

The programme offers the opportunity to study entirely through the medium of Welsh or entirely through the medium of English. The University and its partners are committed to providing bilingual learning opportunities, both during university based learning and during the placements. Welsh-speaking students will be allocated Welsh-speaking tutors and will be encouraged to study their modules through the medium of Welsh. All assessed work may be submitted in Welsh or English. Students will be encouraged to develop their understanding of the political, economic and linguistic context of working in Wales.

Modules

Year 1:

- Social Policy for Social Work Practice
- Knowledge and Skills Base for Social Work
- The Life Course
- Values and Ethics for Social Work Practice
- The Research Process
- Law for Social Work 1
- 100 day placement

Year 2:

- Social Work Dissertation
- Social Work with Children, Young People and Families
- Social Work with Adults
- Law for Social Work 2
- Literature Review
- Dissertation
- 100 day placement

CAREER PROSPECTS

After qualifying, you will be able to work in a wide range of health or social care settings, often working alongside other professionals such as occupational therapists or psychologists, in multidisciplinary teams. As well as statutory social work settings such as children and families teams, older people teams and community mental health teams, social workers may be employed in hospitals, in community development projects, with non-statutory organisations (perhaps supporting refugees and asylum-seekers), or working with young parents in need of support.

For further course details, please see:

www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

Leading Quality Improvement MSc/PGDip/PGCert

COURSE DURATION

MSc: 1 year full-time, 3 years part-time.

ENTRY REQUIREMENTS

A 2(ii) Honours degree or equivalent professional qualification or 3 years professional experience with demonstrable ability to study at Level 7. Credit transfer and Accreditation for Prior Learning (maximum 40 credits at Level 7) will be possible.

International applicants – English language requirement – IELTS 6. No element below 5.5. (or equivalent) OR specific English language country requirement AND application must include personal statement.

Admissions to the programme are made on a rolling basis, so early applications are encouraged.

COURSE DESCRIPTION

This programme provides students with a rigorous framework for the development and synthesis of empirical, professional and organisational knowledge and skills as the basis for improving the quality of healthcare. The programme will adopt a broad perspective on healthcare quality encompassing three themes:

- Effectiveness (e.g. the use of evidence)
- Efficiency (e.g. service reliability);
- Acceptability (e.g. the service user experience).

Attention will be paid to the full range of components of improving quality, including public policy and organisational strategy; governance and risk management; leadership; professional behaviour change; and service user involvement.

You'll develop a comprehensive understanding of relevant research and scholarly approaches applicable to quality improvement in healthcare and an informed knowledge of how the results of this application may improve service processes and outcomes and develop research ideas/policy. This will enable you to drive forward improvements in a number of modern healthcare settings.

Core Modules:

• Advancing Knowledge

Provides students with the opportunity to critically evaluate and reflect upon how complex strategies and approaches can be used to expand their professional knowledge and know-how, making sense of how to utilise complex and conflicting information for developing service improvements.

• Approaches in Health Quality

Explores how healthcare quality is influenced and how it can be effectively measured and evaluated.

• Leadership in Context

Explores processes involved in leading and facilitating the implementation of change in health and social care drawing on a range of theory and evidence.

• Evidence for Improvement

Explores the different theoretical positions and the nature of evidence for improvement in health and social care including the development and application of information searching, management and critical appraisal skills.

• Research Methods OR E-Research Methods

Provides an introduction to research methods and presents a platform for students to engage in both quantitative and qualitative research approaches and develop an ability to utilise specific research techniques.

• Dissertation

This module provides the student with the opportunity to complete a piece of research (primary, secondary or literature based) or scholarly enquiry and is available to students as a Bilingual or English option.

• Work-based Learning

It gives recognition to those employees who are undertaking significant levels of innovative work-based practice in order to improve and enhance patient/customer care.

CAREER PROSPECTS

This course is intended to support the academic, professional and career progression of healthcare professionals working in, or aspiring to clinical leadership and quality roles within UK and international health care organisations. The learning within the programme will also be of key relevance to professionals from social care and related policy areas, especially those working in leadership roles.

For further course details, please see:
www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

Non-medical Prescribing Levels 7 Award (40 credits)

COURSE DESCRIPTION

This module will enable nurses, pharmacists, physiotherapists, radiographers, podiatrists and other healthcare professionals to develop as competent independent prescribers and to meet the standards set by the Nursing and Midwifery Council (NMC), General Pharmaceutical Council (GPhC) and the Health and Care Professionals Council (HCPC). All participants will undertake theoretical assessment and a period of supervised practice carried out by a designated medical practitioner.

Both nurses and pharmacists and other healthcare professionals working in primary and secondary care settings would benefit from this module. It will provide them with both the knowledge and expertise within their particular remit and area of practice to be fully registered as independent prescribers with their regulatory body. This would enable them to work autonomously providing improved patient care and patients being dealt with by the appropriate health care professional.

FUNDING

There are a limited number of commissioned places available for NHS staff. An early application is advisable.

A level 6 Award in Independent Prescribing is also available. Please see the website for information:

www.bangor.ac.uk/healthcaresciences/postgraduate-courses/



Professional Doctorate in Healthcare DHLTH

COURSE DURATION

DHLTH: 3 years full-time or 5 years part-time.

Higher-level healthcare practice combines theory and evidence from research with other forms of knowledge, including aesthetics, ethics and personal professional knowledge that is located within varied organisational and political contexts.

This programme is especially relevant for those health professionals in advanced clinical or organisational roles which combine elements of practice, research and service improvement in healthcare. The core of the programme is implementation science which concentrates on closing the gap between evidence and policy and service delivery. It enables professionals to undertake a PhD degree in a specialist area directly relevant to their expertise that will enable them to bring about change in policies and practices within the healthcare sector.

The focus of this PhD programme will be the science of implementing change in a clinical setting, with the evidence and data researched and gathered on the doctoral programme providing the basis for instigating and implementing the change, including change management.

As this Doctoral programme includes a taught element, students are admitted at fixed points in the year in order to attend a programme of taught courses during Years 1 and 2.

The Professional Doctorate program allows students to apply the learning to their professional practice while studying the subject to the same depth as a theoretical PhD.

Industry relevant content and focus on the application to the real world professional environment are the key features of this program.

Core Modules

The course is organised in two-parts - a taught element and a research project leading to a 60,000-word thesis. Assessments include evaluation of professional/industrial practice, reports, projects and portfolios.

• Advancing Knowledge

Provides students with the opportunity to critically evaluate and reflect upon how complex strategies and approaches can be used to expand their professional knowledge and know-how, making sense of how to utilise complex and conflicting information for developing service improvements.

• Evidence for Improvement

Enables students to enhance their theory and practice of the implementation of evidence from research (and other sources) into practice and/or policy to improve service effectiveness, efficiency and service users experiences.

• Research Methods OR E-Research Methods

Provides an introduction to research methods and presents a platform for students to engage in both quantitative and qualitative research approaches and develop an ability to utilise specific research techniques.

• Approaches in Health Quality

Explores how healthcare quality is influenced and how it can be effectively measured and evaluated.

• Advancing Skills Development

Provides unique opportunities for advanced level practitioners to consolidate and enhance professional skills through action learning, and master-classes.

• Leadership in Context

Explores processes involved in leading and facilitating the implementation of change in health and social care drawing on a range of theory and evidence.

• Evidence for Improvement

Explores the different theoretical positions and the nature of evidence for improvement in health and social care including the development and application of information searching, management and critical appraisal skills.

Optional Modules:

Students can select up to 60 credits of modules at Academic Level 7 from within the College.

If students wish to exit the programme rather than complete the Doctorate Professional Healthcare the MSc in Implementation exit award may be completed through a dissertation option.

For further course details, please see:

www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

MSc by Research

COURSE DURATION

1 year full-time, 2 years part-time.

ENTRY REQUIREMENTS

Given the high expectations, applicants must have a minimum degree class of 2.1 or above / equivalent in a relevant subject. International students must also have IELTS of 7.0 or above (with no individual element below 6.5).

COURSE DESCRIPTION

This programme is embedded within a community of researchers that represent a range of highly specialist areas of research which are internationally recognised for excellence. Students on this programme are able to select a defined pathway within the MSc by Research programme reflecting their areas of interest and future aspirations for career development. A particular strength of the programme is that it enables students to frame their studies within a number of pathways or position their programme within the broader themed area of rehabilitation, working across teams. The dedicated pathways and research units are as follows:

COURSE DETAILS

The innovative configuration of the MSc by Research programme will provide a dedicated route for high calibre students who (may have a specific research question or aim in mind and) are ready to carry out independent research leading to PhD level study. Alternatively it would be appropriate for students who are seeking a stand-alone research based qualification suitable for a career in research with transferable skills for graduate employment.

The MSc by Research requires the student to undertake a substantial piece of independent research embedded in the dedicated areas of research within the School. As indicated earlier there are a number of specialist areas embedded within internationally recognised research teams with demonstrated reputation of expertise in specialist areas. These provide a flexible range of opportunities for prospective students, ranging from evidence synthesis and implementation to understanding the complexity of dementia and developing appropriate services. The expertise of research teams enable students to explore diverse areas of interest, reflecting research questions that may focus on primary care, language and cultural sensitivity or economic evaluation and clinical trials.

The multidisciplinary research conducted within the School represents a substantive breadth of clinical and theoretical perspectives that provides postgraduate students with opportunities for exploring a number of possible research questions or aims. Importantly a range of methodologies are utilised, including realist approaches, a number of qualitative research methodologies such as grounded theory, ethnography and case study work as well as trial-based approaches and mixed-methods. The nature of the research activities within the School of Health Sciences enables collaboration across research units and areas of specialist research within the School, enabling a postgraduate project for the MSc by Research to draw on expertise from a number of different fields. In this way the postgraduate experience in the MSc by Research is enhanced by the scope of cross-disciplinary collaboration and integration.

The MSc by Research comprises 180 credits and requires the independent research to be of a publishable standard in a high quality peer reviewed journal. In addition to the support of the research project's supervisors there will also be the opportunity to undertake taught modules at postgraduate level within the School of Health Sciences, including on research methods, evidence synthesis and implementation or clinical subjects, as well as attend workshops and courses provided for postgraduate research students by the University. Any taught modules or courses completed will not be required or included as part of the credits for the MSc by Research but provide 'added value' in developing a portfolio of skills and knowledge needed to undertake postgraduate research.

For further course details, please see:

www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

ENTRY REQUIREMENTS

A first or upper second class honours degree in a relevant subject is required. Alternatively appropriate lengthy experience in health-related research or in a research-oriented post may be relevant. English language standard – we ask for an IELTS score of 7.0 or above (with no individual element below 7.0).

COURSE DESCRIPTIONS

We offer innovative education and research to meet the requirements of today's health and social care services. Renowned for delivering excellent courses and conducting high quality research, the School of Healthcare Sciences offers a range of postgraduate opportunities for national and international students.

PhD/MPhil

Research degrees provide students with a unique opportunity to develop an independent programme of research that will contribute to knowledge in their professional field, and provide unique opportunities for personal and career development.

Ageing and Dementia Studies MSc by Research, Dementia Services Development Centre

Ageing & Dementia@Bangor and the The Dementia Services Development Centre (DSDC) focuses on research relating to people living with dementia. Research is conducted on a local and national level within Wales with the research centre in Bangor being the lead for the Wales Dementias and Neurodegenerative Diseases Research Network (NEURODEM Cymru) but there are also strong collaborative links with researchers across the UK, Europe and elsewhere in the world. DSDC is active across a wide range of ageing and dementia research activities and these can be broadly categorised (i) dementia care (including Alzheimer's disease, family care-giving and psychosocial interventions); (ii) gerontology; and (iii) well-being and resilience across the life-span.

Health Economics MSc by Research, The Centre for Health Economics & Medicines Evaluation

The Centre, also known as CHEME, was founded in 2001 and is one of three health economics centres in Wales. Research is conducted on a local and national level within in Wales but there are also strong collaborative links with health services researchers across the UK and Europe. CHEME is active across a wide range of health economic research interests and these can be broadly categorised (i) economic evaluation alongside clinical trials; (ii) pharmacoeconomics; and (iii) health service evaluation. The Centre also has very close links with Public Health Wales and has expertise in research regarding the health economics of cancer, dementia, sight disabilities and rural health.

Health Sciences MSc by Research, The NWORTH Trials Unit

The MSc by Research includes the taught components of: Research Methods, Introduction to Health Economics modules and a Residential short course on Public Health Economics or Pharmacoeconomics.

NWORTH, or the North Wales Organisation for Randomised Trials (in health and social care), was founded in 2002 and is one of the original seventeen fully accredited UKCRC clinical trials units registered in 2007 in recognition of being able to provide the full spectrum of expertise required to deliver high quality clinical research and the capability to centrally co-ordinate

multicentre trials to the highest standards. NWORTH is active across a wide range of clinical, health and social care research interests by collaborating with research-active specialists in disciplines such as cancer care, children's health, dementia, dentistry, mental health, obstetrics, oncology, pharmacy and public health. Whilst students need to produce independent research, the NWORTH Trials Unit can provide a wealth of advice and support where appropriate including project design and governance, data collection and management, QA and compliance plus analysis.

Implementation MSc by Research, Implement @ Bangor: Bridging knowledge and practice

Its mission is to grow an internationally recognised community of researchers and professionals to create knowledge of what works in implementation and why. There is often a gap between what is known and what is routinely practiced within health and the public services more broadly. The purpose of Implement @ Bangor is to develop knowledge and theory to bridge this gap and improve outcomes by advancing the science and practice through key areas of work:

- Partnership, collaboration and co-production
- Theory development and testing
- Implementation intervention evaluation
- Methodological innovation
- Service improvement

Implement @Bangor has been successful in attracting significant amounts of international and national research income to fund a programme of research on implementation, including cross organisational working; its application in specific conditions and groups such as stroke and older people, and the transferability of implementation theory and practice to other public services including the police and social services.

Primary Care MSc by Research, North Wales Centre for Primary Care Research (NWPCPR)

It aims to conduct high-quality primary care research that impacts upon clinical practice and health policy. The main strategic areas are:

- Cancer in primary care – 'Diagnose Quickly, Follow Up Safely and Survive Well'
- Musculoskeletal and rehabilitation research

Prior to November 2011 we were the North Wales Section of the Department of Primary Care & Public Health, Cardiff University. Our main base is on the 'north-east' campus in Wrexham, although some of our staff are based in Bangor.

We work closely with:

- Clinicians, locally within Betsi Cadwaladr University Health Board, and elsewhere
- Public Health Wales
- Wales Government
- Leading researchers in other Centres and Institutes within Bangor University
- Leading researchers in universities in the UK and internationally

NWPCPR have methodological expertise in a number of areas, including the conduct of evidence syntheses (including realist syntheses), randomised trials, epidemiological studies and qualitative studies

WHY CHOOSE BANGOR?

Our innovative research focuses on knowledge production, synthesis and utilization driving forward developments in implementation science. In this way, it is directed at generating high quality evidence and developing better understanding of the effectiveness and cost-effectiveness of interventions, services and organisations. The research focus embraces an understanding of healthcare from a range of perspectives including the development of approaches that seek to engage people in interpreting their own experiences. We are also developing and applying novel research methods to synthesise what is known, and gain better understanding of how and why evidence or knowledge does or does not get used in practice. A feature of the research focus is its consideration of cultural context and language sensitivity as part of the complexity of healthcare practice.

There are many reasons for pursuing postgraduate research opportunities at the School of Healthcare Sciences:

- A welcoming and supportive academic environment;
- Experienced supervisors working at the leading edge of their academic and professional fields;
- Individualised support from supervisory teams providing complementary expertise to your research;
- Dedicated office space and access to information technology;
- Attention to both your research training and the development of other skills such as leadership and project management.

RESEARCH LINKS/LINKS WITH INDUSTRY

Working together with BIHMR research centres as well as across the College of Health and Behavioural Sciences and other universities in the UK and internationally, we have built a reputation for our research in evidence-based practice, cultural sensitivity and language awareness, and complex conditions across the lifespan. Using this evidence base, our experienced programme leaders and supervisors deliver up-to-date, clinically relevant courses and supervisory experiences for students from a variety of settings and professions.

Our partnerships with world-leading research centres, practice, and policy units provide opportunities for joint teaching, supervision and collaborative projects. We are also committed to the personal and professional development of all students across our programmes.

Applicants are also encouraged to contact the Administrator: Dr. Sion Williams (sion.williams@bangor.ac.uk) in the first instance to register their interest in the Postgraduate Research Programme in Healthcare. We can then ensure that the most appropriate member of research staff contacts you personally to discuss your interests, and keep you abreast of new opportunities such as studentships. For more information and prior to enquiring further or making an application, it is advisable to explore the School of Healthcare Sciences website and in particular the BIHMR section.

For further course details, please see:
www.bangor.ac.uk/healthcaresciences/postgraduate-courses/

School of Medical Sciences

We offer excellent postgraduate opportunities, including cutting-edge medical research, the School includes the North West Cancer Research Institute (NWCRI) and works in partnership with Betsi Cadwaladr University Health Board (BCUHB). The School has close research and educational links with Medical Schools in Liverpool and Cardiff.

Our programmes have been developed in response to current and future workforce needs in Medicine, Medical Sciences and allied professions and all our postgraduate programs including the MSc Clinical Science and Medical Molecular Biology with Genetics deliver an outstanding advanced qualification appropriate for medical, healthcare and allied professions.

The School is host to the Bangor division of the North West Cancer Research Institute which links basic and clinical researchers from Bangor, Lancaster and Liverpool universities into a modern research centre of excellence.

Staff

We employ a number of clinical and non-clinical academic staff who are actively involved in world-leading research which is rated at the highest international level. Our academic staff have a wealth of experience in teaching medical and non-medical postgraduate students in both the University and health service settings. Our teaching is informed by the latest educational research in association with the University's Centre for the Enhancement of Learning and Teaching (CELT).

Overview of academic areas

Bangor University has an established record of excellence in medical and health research and teaching. The School of Medical Sciences continues to develop and build on these strengths, combining cutting-edge research with medical and biomedical education.

Our research covers areas of ageing, chronic disease, diabetes, cardiovascular disease, cancer and front-line clinical research in acute settings. We strive to integrate clinical medicine with molecular and cell biology. Other specific research areas include signal transduction pathways, colorectal cancer biology, stem cell biology, cancer markers, drug resistance, immunology and DNA repair which complement the clinical expertise and frontline research.

Thus the School is able to offer a range of postgraduate opportunities from basic science and biomedical research to front-line clinical research which constitutes a truly 'bench to bedside' approach.

6th for Research Quality

Complete University Guide 2019

COURSE LIST:

MSc by Research

- Master of Science by Research

MSc/PgDip/PgCert

- Clinical Sciences
- Genomics and Precision Medicine
- Medical and Molecular Biology with Genetics

MRes/PgDip/PgCert

- Molecular Medicine

PgCert

- Medical Education Practice (Higher Education Academy Accredited)

PgDip

- Physician Associate Studies

PhD/MPhil

- Research Studentships

TO FIND OUT MORE:

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E-mail: medsciences@bangor.ac.uk

Research: j.a.wakeman@bangor.ac.uk

www.bangor.ac.uk/sms



STAFF PROFILE

Professor Dean Williams, Head of School of Medical Sciences and Sub Dean of Medicine

"I have been a Consultant Vascular Surgeon at Ysbyty Gwynedd Hospital in Bangor, North Wales since 2006. I am Professor of Surgery and Head of School of Medical Sciences at Bangor University.

I studied medicine at St. Bartholomews' Hospital and took an intercalated BSc at St. Marys Hospital/Imperial College involving laboratory work in rheology/erythrocyte biochemistry in diabetes.

I joined the Higher Surgical Training scheme for Wales in 1995, including an MD in the Department of Wound Healing, at Cardiff studying the efficacy of non-invasive tests of lower limb perfusion in diabetes. Overseas experience includes a visit to

observe Dr. George Andros at Burbank, California and a one year visiting fellowship to Fremantle, Western Australia working with Professors Mike Stacey and Paul Norman.

I have helped develop a Vascular Department with an interest in limb salvage and diabetic foot disease and facilitated the development of the School of Medical Sciences. This has led to the development of the PGT degrees which includes obtaining HEA accreditation for the PGCert in Medical education Practice. More recently I have been awarded Principle Fellow HEA.

The department of vascular surgery and wound healing at Ysbyty Gwynedd has been cited in NICE guidelines for the management of diabetic foot disease."

MSc by Research

COURSE DURATION

1 year full-time. Part-time available.

ENTRY REQUIREMENTS

Given the high expectations, applicants must have a minimum degree class of 2:1 or above / equivalent in a relevant subject. International students must also have IELTS of 7.0 or above.

COURSE DESCRIPTION

The MSc by Research programme will provide a dedicated route for high calibre students who (may have a specific research aim in mind and) are ready to carry out independent research leading to PhD level study. Alternatively it would be appropriate for students who are seeking a stand-alone research based qualification suitable for a career in research with transferable skills for graduate employment.

The MSc by Research requires the student to undertake a substantial piece of independent research at the cutting edge of modern medical science (180 credits). It is the normal expectation that the independent research should be of a publishable standard in a high quality peer reviewed journal.

In addition to the support of the research project's supervisors and from fellow postgraduate research and professional researchers within the School of Medical Sciences, there will also be the opportunity to undertake taught modules at postgraduate level as well as attend workshops and courses provided for postgraduate research students by the University's Academic Development Unit.

Any additional taught modules and courses will not count as credits towards this or any other qualification but, if identified as being of developmental value by the student and the supervisory team, will provide the extra skills and knowledge needed to undertake postgraduate research.

For further course details, please see:

www.bangor.ac.uk/go/pg/medicalsciences

Clinical Sciences MSc/PgDip/PgCert

COURSE DURATION

MSc: 1 year full-time. Part-time available.

ENTRY REQUIREMENTS

Applicants must have been awarded an initial degree in the following disciplines: Health Care/ Nursing, Natural Sciences, Medical Sciences, Behavioural Sciences, Pharmacology etc.

Alternatively, applicants should be in possession of a non-graduate qualification which the University has deemed to be of a satisfactory standard for the purpose of post-graduate admission and be able to demonstrate prior relevant professional experience of at least two years duration. Students may be interviewed prior to acceptance.

International students must also have IELTS of 6.0 or above, with no individual score lower than 5.5.

COURSE DESCRIPTION

This course offers progression from science related degrees for students wishing to develop an academic interest in clinical sciences. The course develops:

- Anatomical, physiological and biochemical processes related to cellular, musculo-skeletal and cardiovascular function in terms of both normal and diseased states.
- Psychological concepts of health, illness and disease.
- Clinical research process from proposal stage to undertaking, including presenting in oral and written form suitable for medical and academic audiences.

This course provides a combination of cutting edge theory and research skills to students who have a strong scientific background but not necessarily any directly relevant subject knowledge which makes this course challenging and rewarding. It will cultivate an understanding of evidence based practice and the importance of research in advancing medical sciences.

Core Modules:

• Applied Anatomy & Histopathology

This module aims to develop an in-depth knowledge and understanding of the macro and micro anatomy of the urinary, gastrointestinal, heart, respiratory, and skeletal systems in both health and disease. Students will look at the gross anatomy of the different body systems, and examine the micro anatomy of those structures through histology.

• Metrology and Health

Metrology for health underpins the reliable and efficient exploitation of diagnostic and therapeutic techniques. The development of new technologies is essential to improve health care and patient protection and to limit health spend. In addition, legislation requires more and more substances and techniques to be covered by metrology such as through diagnostics as laid down in diagnostic medical devices directive 98/79/EC.

• Therapeutics

Therapeutics is the branch of medicine which deals specifically with the treatment of diseases and the art and science of healing. This includes pharmacology which refers to the use of drugs and the method of administration in the treatment of disease. In particular it looks at the way the administration of drugs can have other effects on the body.

For further course details, please see:

www.bangor.ac.uk/go/pg/medicalsciences

Genomics and Precision Medicine MSc/PgDip/PgCert

COURSE DURATION

MSc: 1 year full-time. Available part-time.

ENTRY REQUIREMENTS

Health institutions route entry: non-graduate applicants will require relevant qualifications and/or significant relevant work experience deemed of a satisfactory standard for the purpose of postgraduate level education.

Academic route entry: applicants will require a BSc level degree (2.ii or higher), in a medically related life science subject area.

English language requirements (minimum): IELTS 6.0 (no element below 5.5)

COURSE DESCRIPTION

New genetic and genomic technologies are allowing us to develop a much more detailed understanding of the link between our genes and health. In recent years there has been international recognition that these technologies have the potential to revolutionise medicine and public health. However, to realise this vision we need people with the specialised knowledge base, understanding and skill sets for application and delivery of genomic and precision medicine in medical and clinical institutions, academic institutions and industry.

This program is linked to the Welsh Government all-Wales strategy to offer training and education in Genomic and Precision Medicine related subjects to support the development of the clinical, and clinical-associated workforce in Wales. The course will provide the opportunity

to develop a fundamental understanding of the platform technologies employed in genomics analysis, utilise genomic data-analytical skills to make clinically and patient relevant interpretations of results and data and, importantly accurately and ethically report and convey findings to colleagues and patients.

The program's modular design and delivery formats are optimised for healthcare professionals and students, in, or entering into the clinic or clinically-associated environment, throughout Wales.

Core Modules:

- Bioinformatics & Genomic Data
- Core Genomic Technologies
- Ethical Legal & Social Considerations
- Human Genetics & Genomics
- Genomics & Cancer
- Genomics & Infectious Disease
- Genomics & Inherited Disease
- Pharmacogenomics & Stratified Healthcare
- Dissertation

CAREER PROSPECTS

Graduates of Genomics and Precision Medicine from Bangor University will be well prepared for a career in this exciting and growing area of medicine. You'll be well-positioned to critically evaluate published literature with respect to the patient and carer perspective of genomic medicine and exercise initiative to make informed decisions in relation to the application of genomics and precision medicine in a clinical context. You'll also be able to deliver support, implementation and development, and research roles in the rapidly expanding field of Genomic Precision Medicine; in medical and clinical institutions, academic institutions and industry.

For further course details, please see:

www.bangor.ac.uk/go/pg/medicalsciences

Medical Molecular Biology with Genetics MSc/PgDip/PgCert

COURSE DURATION

MSc: 1 year full-time; PgDip: 30 weeks full-time. Part-time available.

ENTRY REQUIREMENTS

Minimum BSc degree equivalent to a UK 2.ii in a relevant biological sciences subject is required. Applicants of 25 years old or older with substantial relevant work/academic experience will also be considered. English language criteria (minimum): IELTS 6.0 overall (no element below 5.5). Bangor University assessment of English proficiency.

COURSE DESCRIPTION

This programme aims to deliver a highly integrated postgraduate degree which builds the knowledge, understanding and practical expertise required for progress on to medical molecular PhD research and/or employment in molecular diagnostics or medical industry.

Successful graduates will have developed in-depth subject expertise and a set of key practical skills required for the successful application of modern molecular biology in medical sciences and medical research. Successful graduates will also have attained the transferable skills required to independently adapt and optimize scientific methodologies, critically interpret and evaluate self-generated and published scientific literature and data and undertake a predominantly self-reliant approach to laboratory based work, study and research.

Modules:

• Research Skills

This module will deal with research project design, various research methodologies, data collection methods, instrumentations, data analysis tools and the analysis of quantitative and qualitative data. It aims to supply skill-sets focused towards either a predominately lab-based or data-mining project.

• Human Molecular Genetics

This module aims to develop specific in-depth knowledge and understanding of medically related molecular biology and is required background for the more specialized modules of the degree.

• Human Immunology and Disease

The lectures of this module describe the human immune system's roles in the development, progression and treatment of autoimmunity and cancer and how immunology is being harnessed to develop and improve the treatment of key human diseases.

• Laboratory Molecular Research

This 2-week laboratory-based practical module provides a platform for students to develop both in-depth understanding and practical application of key molecular biology techniques, such as: human tissue culture, RNA extraction, cDNA synthesis, restriction enzyme digestion cloning, E.coli transformation and colony selection techniques.

• Stem Cells, Disease & Therapy

This module gives a general introduction to stem cell biology and the characterisation of signalling pathways involved in the maintenance of stem cells.

• Applied Anatomy & Histopathology

This module aims to develop in-depth knowledge and understanding of the anatomical structure, histology and 'disease states' of a number of organ systems, and how this knowledge is applied in clinical practice.

• Molecular Diagnostics

The Molecular Diagnostics module is designed to provide the opportunity for students to expand their theoretical knowledge and understanding of molecular genetics and immunoassays into practical laboratory applications, utilised in clinical prognosis and monitoring of Chronic Myeloid Leukaemia patients and in academic research, in detection of novel protein biomarkers. The module will enable students to develop both conceptual understanding and practical experience in molecular diagnostics, performed within the clinic, in biomedical sciences and in research.

• Dissertation

This module encompasses a substantial piece of hypothesis driven scientific research. It aims to provide a platform for students to apply the knowledge, understanding, and applications experiences, developed in the diploma modules, to experimentally address a specific research topic.

CAREER PROSPECTS

Most students go on to PhD studies as well as into employment – we have placed former students in Imperial College London, the Sainsbury Laboratory at the University of East Anglia, Reliance Industries in Mumbai, India and Siemens Diagnostic Healthcare in the UK.

For further course details, please see:

www.bangor.ac.uk/go/pg/medicalsciences

Molecular Medicine MRes/PgDip/PgCert

COURSE DURATION

MRes: 1 year full-time, 2 years part-time;

ENTRY REQUIREMENTS

Academic criteria: Minimum BSc degree equivalent to a UK 2ii in a relevant biological sciences subject. Applicant of 25 or older with substantial relevant work/academic experience will also be considered.

English language requirements (minimum): IELTS 6.0 (no element below 5.5)

COURSE DESCRIPTION

The main aim of this program is to develop the Scientific Research Skills of motivated postgraduate students aiming for a career in scientific research. The program will combine laboratory research with supportive and integrative taught content tailored to equip the student to effectively interpret and communicate scientific findings. The program aims to develop rigorous research and analytical skills, a concept of good laboratory practice and ability to critically interpret and evaluate both the scientific literature and self-generated data. Creativity and originality in students approach to laboratory research will be encouraged. Successful graduates will also attain wider employability skills including multi-disciplinarity, data management, numeracy, statistics, translating research into practice and in silico data analysis necessary for a successful career in both academic and industrial sectors.

Core Modules:

- MRes Research Project
- Research Skills

Optional Modules include:

- Laboratory Molecular Research
- Human Molecular Genetics
- Haematology
- Diagnostic Cellular Pathology
- Human immunology & disease
- Stem cells, disease and therapy
- Molecular Diagnostics

CAREER PROSPECTS

Successful graduates will have the knowledge, understanding and proficiency for career progression in medically related PhD level molecular research, or as specialist technical/medium grade scientists in academic, medical or industrial biomedical/medical organisations.

For further course details, please see:

www.bangor.ac.uk/go/pg/medicalsciences

Medical Education Practice PgCert

COURSE DURATION

PgCert: 1 year part-time.

ENTRY REQUIREMENTS

Applicants to this course should normally be professionals in medicine and allied health careers with some experience of, or access to, supervising and / or teaching in their daily work. A degree, degree level qualification, or professional qualification supplemented by relevant experience will normally form part of the applicant's profile.

COURSE DESCRIPTION

This course will provide a framework in which clinical educators can critically review and develop theoretical perspectives and practical skills in facilitating the experience of their students/trainees. The course will involve active and reflective learning and ensure the integration of contemporary theory and practice. This programme will equip clinical educators with a greater breadth and depth of knowledge and understanding of medical education including:

- An in-depth knowledge and understanding of specific issues at the forefront of theory and practice in medical education.
- A critical understanding of the requirement of clinical performance assessments and appraisal for fitness to practice.
- A critical understanding of the standard setting processes.
- A critical understanding of the basic tenets of good adult pedagogy.
- The ability to appraise the goals of assessment and the impact of assessment on student learning.

- The ability to evaluate the relevance, validity and reliability of assessment methodologies.
- The ability to critically review and reflect on contemporary adult learning and medical education literature relating to the application of simulation teaching technology and apply this to own simulation practice experience.
- Reviewing ethical issues relating to teaching and learning facilitation in a clinical context.

Compulsory Modules include:

• Clinical Performance

This module develops a critical understanding of several key concepts around the theory of assessment of clinical performance. This will include concepts of reliability and validity as well as standard setting.

• Learning, Teaching and Settings Evaluation

This module concerns the critical evaluation of teaching in the clinical setting. It is designed for doctors and other qualified practitioners in the professions allied to medicine. Students will be provided with the concepts and critical skills required to appraise the teaching of clinical material in a wide spectrum of settings. Students will be expected to observe and evaluate teaching in a variety of clinical settings, including teaching they may receive in other modules.

• Teaching and Technology

This module explores the conditions underlying effective group functioning both in education and the workplace. The module is practically focussed.

RESEARCH LINKS/LINKS WITH INDUSTRY

The academics involved with this programme have extensive research links with external bodies and the NHS.

CAREER PROSPECTS

This course will improve employability and enhance career progression.

For further course details, please see:

www.bangor.ac.uk/go/pg/medicalsciences



Physician Associate Studies PgDip

COURSE DURATION

PgDip: 2 years full-time.

ENTRY REQUIREMENTS

Applicants should have a 2:1 or higher in a medically-related life science subjects e.g. Medical Sciences; Biomedical Sciences or have a 2:1 in a life science degree with a higher degree in a relevant subject e.g. MSc Clinical Sciences.

COURSE DESCRIPTION

A Physician Associate (PA) is defined as someone who is a new healthcare professional who, while not a doctor, works to the medical model, with the attitudes, skills and knowledge base to deliver holistic care and treatment within the general medical and/or general practice team under defined levels of supervision.

In order to be eligible to sit the national Physician Associate examination, successful completion of 2 year PG Diploma in Physician Associate Studies is required. Welsh Government NHS Bursary funding is available to cover fees and to provide some support for cost of living.

The Physician Associate programme at Bangor includes an integrated placement programme of work-based learning that will provide progressive experiential learning in a range of clinical settings to allow students to attain the standards of knowledge and understanding in clinical practice, including regulatory structures, professionalism and clinical competences expected of a Physician Associate.

Placements will be grouped according to the following clinical subject headings:

- General Hospital Medicine
- Front Door Medicine
- Mental Health
- General Surgery
- Obstetrics & Gynaecology
- Paediatrics (acute setting)
- Community Medicine

During the course you will learn how to recognise and manage common and complex medical conditions as part of multi-professional team, to make independent and informed judgements on clinical problems and be trained to integrate knowledge and clinical practice.

The programme aims to give students a comprehensive knowledge of the concepts, principles and technologies used in clinical practice in the following areas:

- Cardiovascular system
- Respiratory system
- Gastrointestinal system
- Musculoskeletal system
- Female reproductive system
- Renal and genitourinary system
- Eyes
- Skin
- Diagnostics and therapeutics
- Neurology

You will be taught at the university by lecturers and also clinicians for the academic components. Your clinical placements will take place at one of the hospitals across north Wales and in the community in GP Surgeries.

Compulsory Modules:

Year 1

- Clinical Anatomy
- Clinical Physiology
- Diagnostic Sciences
- Vocational Skills
- Therapeutics and Pharmacology
- Public Health and Epidemiology

Year 2

- Leadership and Teaching
- Applied Anatomy
- Applied Physiology
- Applied Diagnostic Sciences
- Applied Vocational Skills
- Advanced Therapeutics and Pharmacology

CAREER PROSPECTS

Successful graduates who have also completed the national exams will be well placed to work in primary or secondary care as a PA.

For further course details, please see:

www.bangor.ac.uk/go/pg/medicalsciences

Research Studentships PhD/MPhil

We are always interested to hear from prospective PhD students who have, or are interested in applying for, funding. A list of academic staff can be found on the website, alternatively, contact medsciences@bangor.ac.uk with an outline of your research proposal, including actual or prospective funding, and an appropriate academic will be identified.

Current research interests include:

- Rheumatic diseases
- Inflammatory arthritis
- Systemic lupus erythematosus
- Behavioural (cognitive) neurology
- Sensorimotor integration (on eye and limb movements)
- Higher order sensory processing
- Neuro-ophthalmology
- Neuro-rehabilitation
- Cardiac imaging using fMRI
- Developing the use of magnetic resonance imaging and rendering
- Effects of antipsychotic medication on neutrophil morphology and oxidative stress
- Use of quantitative structural activity relations in cellular responses to antipsychotics
- Parkinson's disease
- Dementia and neurodegenerative diseases
- Evidence based healthcare
- Translation of research evidence to practice
- Patient reported outcome following hip replacement surgery
- Smell and taste pathophysiology, assessment and management

- Assessment of endoscopic sinus surgery
- Transnasal fiberoptic flexible laryngo oesophagoscopy
- Catabolic effects of rheumatic diseases and effect on muscle mass and function
- Autoimmune rheumatic diseases - prognosis, and assessment of treatment
- Assessment of novel anti rheumatic treatment
- Respiratory medicine
- Orthopaedic surgery
- Cardiac imaging and intervention
- Cortical processes and cardiovascular output
- Cardiology and nuclear medicine
- Clinical research into the assessment and development of new anti-cancer drugs
- Assessment of the effects of chemotherapy
- Intensive care medicine
- Chronic disease patient care
- Cardio-vascular risk factors in the severely mentally ill
- Genetic predictors of antidepressant response
- Mental illness in primary care patients
- Diabetes and vascular disease

Basic Medical Research:

- The genetics and molecular aetiology of cancer development / oncogenesis
- Molecular mechanisms of disease related DNA repair pathways
- The molecular basis of the cell division cycle (using human cells and model systems)
- The molecular basis of cancer drug resistance
- Molecular mechanisms of chromosomal translocations Molecular regulation of telomere biology

- The role of human germ line genes in cancer development
- The identification of new cancer-specific drug targets
- The development of patient stratification strategies
- Human stem cell biology
- Human cancer stem cell biology
- The molecular basis for human gut homeostasis
- Molecular cancer immunology
- Molecular autoimmunity
- Epidemiology of disease
- Bacterial Antibiotic Resistance

For further course details, please see:

www.bangor.ac.uk/go/pg/medicalsciences

School of Psychology

As a postgraduate in Psychology, you'll be working with internationally renowned researchers and making use of superb research facilities. Our academic members of staff not only teach well, but also produce research of the highest quality, with influences in the public sector (especially Health and Clinical activities) as well as in industry and the academic world.

We're one of the country's largest Psychology departments and have a thriving postgraduate community of over 200 Masters and more than 60 PhD students. We are a truly international department with staff and students drawn from over 20 countries across the world, attracted by our reputation for research and teaching excellence.

As well as high academic standards we deliver high standards of student support and guidance and pride ourselves on the fact that our friendly environment is often identified as a major strength. There are a number of academic and social student societies within the department which add a great deal to the overall student experience. We have consistently been placed in the top 10 in the UK for overall student satisfaction based on the annual National Student Survey (NSS).

Careers and Employability

We support students to develop their employability skills and career prospects. We aim to facilitate personal professional development opportunities and work closely with the Bangor Employability Award scheme and Student Volunteering Bangor to provide formal recognition of valuable work experience in relevant areas. Through the many co-curricular activities available, you can consolidate the generic and subject-specific skills embedded within your programme, and develop a strong and competitive portfolio.

89% of our research activity was categorised as either 'world-leading' or 'internationally excellent'.

REF 2014

Top 20 for Research Quality

COMPLETE UNIVERSITY GUIDE 2019

Staff and facilities

Staff and students have access to a large number of specialist research labs including a 3T MRI scanner, TMS Labs, ERP, faraday cages, a brain anatomy laboratory, eye tracking facilities and an on-site nursery with observation facilities as well as dozens of computer-based testing laboratories.

At Bangor, you'll study under the guidance of academics with international reputations and have access to research facilities that exceed those available in most other departments, either in the UK or internationally.

Overview of academic areas

Our postgraduate programmes cover a number of specialist areas that reflect the mix of research expertise within the department. We have over 50 Academic Faculty members, many of whom are world leading or internationally renowned experts in their fields. The research areas of staff can be drawn together in the following broad categories:

- Clinical, Health and Behavioural Psychology
- Language, Bilingualism and Cognitive Development
- Perception, Action and Memory
- Social Neuroscience

We host a number of prestigious research centres, including:

- The Wolfson Centre for Cognitive Neuroscience
- The Bangor Imaging Unit
- Miles Dyslexia Centre
- Centre for Mindfulness Research and Practice
- Centre for Evidence-based Early Intervention

These centres, as well as being in the vanguard of academic research in these fields, offer you a unique opportunity for project work covering important theoretical and practical elements.

"The School of Psychology is a wonderfully friendly, sociable, relaxed environment. Throughout my time at Bangor, the support I have received from tutors and students has been amazing."

RAFID ALAM,
MRes Psychology

"Practical modules were fantastic and informative"

MSc Neuroimaging

COURSE LIST:

MA/PgDip/PgCert

- Psychology

MSc

- Applied Behaviour Analysis
- Applied Behaviour Analysis with Practicum
- Clinical and Health Psychology
- Counselling
- Neuroimaging
- Positive Behaviour Support
- Principles of Clinical Neuropsychology
- Psychological Research
- Psychology

MA/MSc/PgDip/PgCert

- Consumer Psychology with Business
- Mindfulness-Based Approaches
- Teaching Mindfulness-Based Courses

MRes/PgCert

- Psychology*

MSc by Research

- Psychology*

PhD

- Psychology

DClinPsy

- Clinical Psychology

* Please see the website for course details.

TO FIND OUT MORE:

Tel: +44 (0) 1248 388453
E-mail: psychology@bangor.ac.uk
www.bangor.ac.uk/psychology
[@PsychBangor](https://twitter.com/PsychBangor)

"The quality of the lecturers and staff make the School of Psychology such a great department to be a part of. Despite being a big department, the amount of support you receive when you need it is amazing and makes me so glad I chose Bangor."

ASHLEIGH JOHNSTONE,
Psychology PhD

Neuroimaging MSc

COURSE DURATION

MSc: 1 year full-time.

Can also be studied part-time.

ENTRY REQUIREMENTS

You must have a single or joint honours degree in Psychology or other relevant discipline (Computer Science, Physics, Mathematics, Engineering, Biology, Medical Sciences or a related subject area) with a minimum degree class of 2.i.

International students will be given individual consideration, but you must be able to demonstrate English language proficiency equivalent to an IELTS score of 6.5 (with no element below 6.0) and you will be expected to demonstrate that you have a suitable academic background for the programme.

COURSE DESCRIPTION

The programme is designed to provide you with the background knowledge and technical skills to design, analyse and evaluate imaging data. The programme focuses on Magnetic Resonance Imaging (MRI) based techniques, including functional MRI, anatomical imaging, Diffusion Tensor Imaging, and Spectroscopy. Imaging techniques will be discussed with reference to relevant Biomedical applications. The core of the MSc consists of four modules on Neuroimaging. Two of them concentrate on methodological aspects. The other two provide an in-depth introduction of specialised imaging techniques used to understand the biology of brain function in health and disease.

Strong emphasis is placed on developing your practical skills, equipping you for further work in the field of neuroimaging. In a dedicated computer lab, you will learn and practice analysis and imaging techniques. Under supervision of our world-class academic staff, you'll be involved in the design of an imaging based study, to be run using the in-house 3T MRI scanner.

Compulsory Modules:

• Introduction to Neuroimaging

This module will provide you with a broad overview of the physiological and neurological basis of neuroimaging.

• Advanced Neuroimaging Concepts

This module will give you an insight into the cellular, metabolic and electrophysiological mechanisms of functional signals.

• Advanced Research Methods

This module will provide you with the statistical skills that you need to conduct and evaluate psychological research in general.

• Introduction to Neuroimaging Analysis and Advanced Neuroimaging Analysis

The training in methodological aspects of neuroimaging will run over the first two semesters in order to provide a good understanding of MRI design and analysis.

• Research Dissertation

You will design, collect, analyze and interpret data from your own imaging based project, on a topic that has been agreed with your supervisor. This will be submitted as a formal thesis and will be presented in a student lead research conference. Students will also present their research in a conference.

Example optional modules available include:

- Clinical Neuropsychology
- Practical Programming
- Methods in Cognition and Brain Research

RESEARCH LINKS/LINKS WITH INDUSTRY

The academics involved with this programme have extensive research links with external bodies and companies, which are fully utilised in ensuring that the modules are relevant to the modern work and research environment graduates will enter.

CAREER PROSPECTS

The programme is especially suited for:

- students interested in pursuing an academic career in the field of Neuroimaging
- students looking to find a job as research staff in industry or academic labs involved in translational research
- medical professionals, looking to develop skills in a new emergent technology and research field
- students with a background in physics, mathematics or computer science who want to move into cognitive or clinical neuroscience
- students with a background in psychology or biology who want to improve your technical skills for a neuroscience career.

For further course details, please see:

www.bangor.ac.uk/go/pg/psychology

Clinical Psychology DClInPsy

COURSE DURATION

DClInPsy: 3 years full-time.

ENTRY REQUIREMENTS

Before applying, you will have obtained a single or joint honours, first or upper second-class psychology degree, which should make you eligible for Graduate Basis for Chartered Membership with the British Psychological Society (BPS). Due to the level of competition, we will not be short-listing you for interview, if you have not yet completed your undergraduate degree. Applicants will have at least one year's relevant paid clinical or research experience. You will also have two supportive references and your application form will be completed to a high standard. We are keen to welcome candidates from all backgrounds and we are also a double tick employer.

COURSE DESCRIPTION

This Doctoral Programme is a collaborative venture with the Betsi Cadwaladr University Health Board (BCUHB) and Bangor University. BCUHB clinical psychologists have close working links with the Programme and the School of Psychology at Bangor University. There are at present about 120 qualified clinical psychologists in North Wales working in adult mental health, older adults, intellectual disabilities, child and adolescent clinical psychology, forensic psychology, neuropsychology and health psychology. Nearly all clinicians are involved in the Programme through teaching, supervision (clinical and research), assessment of academic work and representation at committees.

The North Wales Clinical Psychology Programme is closely integrated into a mainstream academic psychology department that is highly rated for both research and teaching and is a centre of excellence for training in clinical practice. The School has particular strengths in clinical and health psychology, cognitive neuropsychology, applied behaviour analysis, and learning and developmental psychology. The School of Psychology is part of the College of Health and Behavioural Sciences comprises, alongside the School of Health Sciences, the School of Sports Health and Exercise Science, the School of Medical Sciences and the Institute of Medical and Social Care Research. This collaboration brings expertise and interest in health research together creating an environment for shared research strategies and health related training activities in terms of professional learning.

The North Wales Clinical Psychology Programme will train candidates in clinical and academic skills, and research. You will be trained in using specific therapeutic skills which includes Cognitive Behavioural Therapy (CBT). In close collaboration with the Centre for Mindfulness Research and Practice at Bangor University, which is the UK's leading organisation for the delivery of Mindfulness training programmes, you will be taught Mindfulness based therapies. Dialectical Behaviour Therapy will be taught by Michaela Swales, who is internationally recognised for her expertise and leader of the national Dialectical Behaviour Therapy Training Team and she also works at the Programme.

You will also receive training in Acceptance and Commitment therapy, which is practiced in a wide range of settings by clinical psychologists in north Wales.

During the last accreditation visits by the BPS, Bangor University and the Health Care Professions Council (HCPC) in 2012, the North Wales Clinical Psychology Programme was commended for both its teaching and pastoral care of trainees, as well as the supportiveness and accessibility of the Programme Team, the quality of the trainees, and collaboration with stakeholders, including School of Psychology, commissioners and local clinicians.

CAREER PROSPECTS

Successful candidates will gain a Doctorate in Clinical Psychology that confers eligibility to apply for registration with the HCPC and eligibility for chartered status with the British Psychological Society. With this qualification you will be able to work in the British NHS.

For further details please see:

nwcpp.bangor.ac.uk

Feel free to contact us if you have further queries. Also have a look at the Clearing House website: www.leeds.ac.uk/chpccp for more information about the application process.

Psychology MA

COURSE DURATION

MA: 1 year full-time.

Can also be studied part-time.

ENTRY REQUIREMENTS

You must have a good single or joint honours degree in Psychology or other relevant discipline, with a minimum degree class of 2.ii. If you do not have a Psychology degree, you may also be considered and are encouraged to contact the School.

International students will be given individual consideration, but you must be able to demonstrate English language proficiency equivalent to an IELTS score of 6.0 (with no element below 5.5) and you will be expected to demonstrate that you have a suitable academic background for the programme.

COURSE DESCRIPTION

This course will offer you advanced study in psychology with an emphasis on both research excellence and critical writing skills. Following two semesters of academic study, you will write a stand-alone literature review in an area of psychology that particularly appeals to you. This may be an idea or theory that you are already developing, or may be in an area that you become interested in during the course. An academic supervisor will help you to develop your ideas and hone your writing skills, providing support for the literature review.

Content modules are split between core research foundation modules, which provide you with an in-depth understanding of psychological experimental techniques and optional modules that offer you the opportunity to pursue your area of interest. Modules are taught by the highest calibre research academics and we strive to ensure that we provide you with an excellent teaching and learning environment through the use of innovative teaching tools, media and environments. Some optional modules integrate both undergraduate and graduate classes and so provide a rich and vibrant atmosphere for learning and social interactions.

Programme Aims

- To provide you with a foundation in psychology and psychological research
- Give you the skills you need to critically evaluate psychological research and study
- To provide you with an insight into psychological processes and meanings in areas that you are interested in
- To develop the key skills you need to undertake high quality psychological research (scientific writing, critical analysis, communicating research findings etc.)
- To enable you to produce a substantial written thesis that demonstrates your ability to understand, evaluate and integrate psychological research clearly and coherently.

Core Module:

• MA Dissertation

You will compose a literature review on a topic that you agree with your supervisor and develop a proposition that you'll advance as an argument.

Optional Modules include:

- Theoretical Models in Clinical Psychology
- Bilingualism: Research and Methods
- Biological Bases of Psychological Disorders
- Methods in Cognition and Brain Research
- Advanced Research Methods
- Nudges and Behaviour Change
- Topics in Child Health and Wellbeing
- Research Methods Skills

RESEARCH LINKS/LINKS WITH INDUSTRY

The academics involved with this programme have extensive research links with external bodies and companies, which are fully utilised in ensuring that the modules are relevant to the modern work and research environment graduates will enter.

CAREER PROSPECTS

The MA in Psychology is especially recommended to graduates who want to pursue a career in psychology-related humanities, the health-care professions and social-sciences such as scientific journalism, business management, occupational psychology, marketing and medical care.

For further course details, please see:

www.bangor.ac.uk/go/pg/psychology

Consumer Psychology with Business MA/MSc

COURSE DURATION

MA/MSc: 1 year full-time.

Can also be studied part-time.

ENTRY REQUIREMENTS

You must have a good single or joint honours degree in Psychology or other relevant discipline, with a minimum degree class of 2.ii. International students will be given individual consideration, but you must be able to demonstrate English language proficiency equivalent to an IELTS score of 6.0 (with no element below 5.5) and you will be expected to demonstrate that you have a suitable academic background for the programme.

COURSE DESCRIPTION

Have you ever wondered why you can remember an advert from your childhood but haven't a clue what adverts you saw yesterday? Or maybe you've been in a supermarket and wondered why all of the cartoon characters on cereal boxes are looking down. If so, you're probably interested in Consumer Psychology. Consumer Psychology is a new branch of psychology that studies how feelings, beliefs, and perceptions influence the way consumers buy and relate to goods and services. This exciting new discipline uses psychological insight and research to help marketers make better-informed decisions.

The first semester focuses on giving you an excellent theoretical knowledge of Consumer Psychology and the fast growing area of behavioural economics. In the second semester the emphasis switches to the business side of the course, when students are given the choice of which modules they study. However, unlike most masters' degrees, students do not just learn the

theory, but they are also given the opportunity and support to put their skills and knowledge of consumer psychology into practice.

All students complete a consultancy module, where they act as a consultant consumer psychologist. Under the supervision of a professional consumer psychologist, students manage and tackle a genuine research brief provided by a business.

Compulsory Modules:

• Consumer Psychology: Theory

This module provides you with an advanced understanding of Consumer Psychology and how this relates to branding, market research and marketing.

• Nudges and Behaviour Change

This module focuses on the fast growing area of behavioural economics and how principles of psychology can be used to change consumers' behaviour.

• Applied Consumer Psychology

In this module you will get hands on experience acting as a commercial consumer psychologist, tackling a real research brief set by a commercial client.

• Research Dissertation*

In this module, you will collect, analyse and interpret data, and present an empirical project as a formal thesis.

Optional Modules include:

- Marketing Strategy
- Marketing Analysis
- New Venture Creation
- International Marketing
- Finance for Managers
- Global Brand Management
- International Strategic Management
- Contemporary Issues in Management
- Organisations and People

RESEARCH LINKS/LINKS WITH INDUSTRY

The Consumer Psychology team at Bangor University have excellent links with industry and this is used to help provide students with a springboard into the job market. Masters students have the option to work alongside academics engaged in consultancy projects, giving students the opportunity to work with a diverse range of clients.

CAREER PROSPECTS

If you're interested in working in advertising, branding, digital marketing, market research or retail management, this is the course for you. Over the last eight years, our graduates have gone on to work in 35 different countries and can now be found employed as brand managers, account planners, consumer insight directors, marketing managers and many more.

*This module varies in emphasis between MA and MSc courses.

For further course details, please see:

www.bangor.ac.uk/go/pg/psychology

Applied Behaviour Analysis with Practicum MSc

COURSE DURATION

MSc: 18 months full-time, 2-3 years part-time.

ENTRY REQUIREMENTS

At least a 2(ii) undergraduate degree or equivalent. Mature candidates (25+ at the start of the course) with relevant experience who are not graduates may also gain entry to the certificate level. Relevant clinical experience may include paid or volunteer work in schools, care homes, adult services, mental health services etc. and will be reviewed by the course director. On successful completion of the certificate course, such candidates would be eligible to progress to the diploma and Master's levels.

IELTS: 6.0 (with no element below 5.5) is required.

Electronic applications to the School are required by 1st May of each year. Possible candidates who meet all the other criteria will be contacted for a brief interview - either in person or via teleconferencing. Places will be offered by the end of June.

COURSE DESCRIPTION

The course will enable you to develop advanced theoretical and practical knowledge of the basic principles of behaviour analysis and the application of the principles within clinical and research settings. The programme has been developed by Board Certified Behavior Analysts (BCBA) in collaboration with the Behavior Analysts Certification Board (BACB). It covers their entire Task List specifications and is recognised by the BACB as providing the content eligibility criteria necessary for you to sit the full BCBA exam if you wish.

Part One comprises taught modules designed around the BACB Task List. Part Two is a clinical research study, planned and conducted in collaboration with your BCBA-qualified research supervisor. There is also an option for a small number of students to complete a clinical internship over two years that meets the BACB's experience standards.

Compulsory Modules include:

- **Principles of Learning & Behaviour Change I**
This module sets the foundation for understanding behaviour analysis on a theoretical and philosophical basis.

- **Principles of Learning & Behaviour Change II**
This module provides an understanding of the basic concepts and procedures used in applied behaviour analytic interventions. An emphasis will be placed on practical applications of the fundamental elements of behaviour change.

- **Ethics and Professional Conduct**
This module provides advanced practical skills and knowledge in ethical considerations in clinical settings.

- **Positive Behavioural Support I**
This module explores person-centred behavioural approaches and ordinary life outcomes for people with learning disabilities who display challenging behaviour.

- **Advanced Behavioural Research Methods and Proposal**
This module provides an overview of single subject designs, group designs, data collection techniques and analysis, evaluation of research evidence and graphing data.

- **Behaviour Analysis Across the Lifespan**
Students will develop an advanced understanding of behavioural approaches to language and their applied implications.

- **Practicum**
Students starting the 12 month MSc in Applied Behaviour Analysis can apply to do the 18 month MSc with practicum will also fulfil the applied work experience requirement and will be qualified to sit the BACB exams. This involves completing 1500 hours of supervised work (10-20 hrs per week unpaid) in a practicum setting arranged by the course instead of a thesis. The setting is arranged by the university and supervision is provided by a Board Certified Behaviour Analyst and students cannot complete the practicum in a setting of their choosing. Written applications from students enrolled on the MSc in Applied

Behaviour Analysis are invited in September of each year, and the application process includes interviews and written statements. Places are limited and awarded on a competitive basis.

RESEARCH LINKS/LINKS WITH INDUSTRY

The team coordinate the Experimental Analysis of Behaviour Group (EABG), the longest standing organisation devoted to behaviour analysis in Europe. Many of the team are practising behaviour analysts, working within a range of settings such as schools, homes, adult services, and healthcare settings. Many of our students conduct applied thesis projects in settings in which behaviour analysts work, making our links to clinical settings strong. The course also has strong links with outside organisations, charities and authorities, such as Ambitious about Autism, The Sharland Foundation, local education authorities in North Wales, and Northumberland Tyne and Wear Foundation NHS Trust.

CAREER PROSPECTS

Successful candidates leave the course having met the taught course component of the eligibility criteria to sit the Board Certified Behavior Analyst (BCBA) certification examination offered by the Behavior Analyst Certification Board (BACB). The BACB is an international professional body that oversees the profession of behaviour analysis. Employers are increasingly seeking people who qualified as BCBAs, and our students have a distinct advantage for obtaining advanced training and further employment in areas of employment that deal with challenging behaviour, special educational provisions, and developmental disabilities.

For further course details, please see:
www.bangor.ac.uk/go/pg/psychology

Psychology PhD

COURSE DURATION

PhD: 3 years full-time, 5 years part-time.

ENTRY REQUIREMENTS

You are expected to have an undergraduate degree in psychology or a related subject, with a minimum degree class of 2.i or equivalent. If you do not already have an MSc degree, then we would normally expect you to complete such a degree prior to starting the PhD programme.

International students: IELTS 6.5 (with no element below 6.0) is required.

COURSE DESCRIPTION

You will have access to state-of-the-art research and computing facilities and the opportunity to study under world-renowned academic staff. In the REF 2014, 89% of our research activity was categorised as either 'world-leading' or 'internationally excellent'.

The PhD (or doctorate) is the highest academic qualification available. A PhD degree is designed to provide strong grounding in highly specialised areas through research. Its goal is to enable you to be a researcher in psychology, contributing to academic knowledge and developing work of internationally publishable quality. Bangor Psychology offers PhD supervision in the following broad areas:

- Language, Bilingualism and Cognitive Development
- Perception, Action and Memory
- Social Neuroscience
- Clinical, Health and Behavioural Psychology

CHOOSING A RESEARCH TOPIC AND SUPERVISOR

If you are considering a PhD degree, one of your first actions – before applying for admission to the programme – is to identify and communicate with a potential supervisor in the relevant area. The research interests and publications of our academic staff are listed within our web pages. Please e-mail the people whose research is most relevant to the area in which you wish to work:
www.bangor.ac.uk/psychology/research

FUNDING

Funding for full-time PhD study (tuition fees plus living allowance) is available through a number of sources, including the ESRC, Bangor University, and the School of Psychology, which offers a number of studentships aimed at exceptional candidates from the UK, Europe, and internationally. Our website offers more details on the funding available for PhD students:
www.bangor.ac.uk/psychology/postgraduate/doctorate/phd_res

For further course details, please see:
www.bangor.ac.uk/go/pg/psychology

Applied Behaviour Analysis MSc

COURSE DURATION

MSc: 1 year full-time, 2-3 years part-time.

ENTRY REQUIREMENTS

At least a 2(ii) undergraduate degree or equivalent. Mature candidates (25+ at the start of the course) with relevant experience who are not graduates may also gain entry to the certificate level of the course. Relevant clinical experience may include paid or volunteer work in schools, care homes, adult services, mental health services etc. and will be reviewed as appropriate by the course director. On successful completion of the certificate course, such candidates would be eligible to progress to the diploma and master's levels.

IELTS: 6.0 (with no element below 5.5) is required. Electronic applications to the school are required by 1st May of each year. Possible candidates who meet all the other criteria will then be contacted for a brief interview by the course director. Interviews will be conducted either in person or via teleconferencing. Places will be offered by the end of June.

COURSE DESCRIPTION

The course will enable you to develop advanced theoretical and practical knowledge of the basic principles of behaviour analysis and the application of the principles within clinical and research settings. The programme has been developed by Board Certified Behavior Analysts (BCBA) in collaboration with the Behavior Analysts Certification Board (BACB). It covers their entire Task List specifications and is recognised by the BACB as providing the content eligibility criteria necessary for you to sit the full BCBA exam if you wish.

Part One comprises taught modules designed around the BACB Task List. On successful completion of Part One, you will proceed to Part Two – a clinical research study, planned and conducted in collaboration with your BCBA-qualified research supervisor. There is also an option for a small number of students to complete a clinical internship over two years that meets the BACB's experience standards. You will be taught through a combination of

workshops, seminars, specialised computer-based instructional packages and practical 'hands-on' research experience. We provide a high-quality teaching and learning environment that is intellectually stimulating and that uses the principles of behaviour analysis.

You may choose to take a smaller number of modules for a Postgraduate Certificate or Diploma, or for CPD purposes.

Compulsory Modules include:

• Principles of Learning & Behaviour Change I

This module sets the foundation for understanding behaviour analysis on a theoretical and philosophical basis and the implications these principles have for the treatment of behavioural problems.

• Principles of Learning & Behaviour Change II

This module provides an understanding of the basic concepts and procedures used in applied behaviour analytic interventions. An emphasis will be placed on practical applications of the fundamental elements of behaviour change.

• Ethics and Professional Conduct

This module provides advanced practical skills and knowledge in ethical considerations in clinical settings.

• Positive Behavioural Support I

This module explores person-centred behavioural approaches and ordinary life outcomes for people with learning disabilities who display challenging behaviour.

• Advanced Behavioural Research Methods and Proposal

This module provides students with an understanding of experimental validity and its relationship to experimental design in behaviour analysis. It provides an overview of single subject designs, group designs, data collection techniques and analysis, evaluation of research evidence and graphing data.

• Behaviour Analysis Across the Lifespan

In this module students will develop advanced understanding of behavioural approaches to language and their applied implications.

• Research Thesis

In this module, you will collect, analyse and interpret data, and present your empirical project in a formal thesis.

RESEARCH LINKS/LINKS WITH INDUSTRY

The team coordinate the Experimental Analysis of Behaviour Group (EABG), the longest standing organisation devoted to behaviour analysis in Europe. Many of the team are practising behaviour analysts, working within a range of settings such as schools, homes, adult services, and healthcare settings. Many of our students conduct applied thesis projects in settings in which behaviour analysts work, making our links to clinical settings strong. The course also has strong links with outside organisations, charities and authorities, such as Ambitious about Autism, The Sharland Foundation, local education authorities in North Wales, and Northumberland Tyne and Wear Foundation NHS Trust.

CAREER PROSPECTS

Successful candidates leave the course having met the taught course component of the eligibility criteria to sit the Board Certified Behavior Analyst (BCBA) certification examination offered by the Behavior Analyst Certification Board (BACB). The BACB is an international professional body that oversees the profession of behaviour analysis. Employers are increasingly seeking people who qualified as BCBAs, and our students have a distinct advantage for obtaining advanced training and further employment in areas of employment that deal with challenging behaviour, special educational provisions, and developmental disabilities.

For further course details, please see:
www.bangor.ac.uk/go/pg/psychology

Psychology MSc

COURSE DURATION:

MSc: 1 year full-time, can also be studied part-time.

ENTRY REQUIREMENTS

You must have a good single or joint honours degree in Psychology or other relevant discipline, with a minimum degree class of 2.ii. International students will be given individual consideration, but you must be able to demonstrate English language proficiency equivalent to an IELTS score of 6.0 (with no element below 5.5) and you will be expected to demonstrate that you have a suitable academic background for the programme.

COURSE DESCRIPTIONS

The course has been developed for those interested in developing their knowledge and ability in Psychology in general. It will also be the course that might be a good option for individuals who would like to develop their professional and academic skills, but do not intend to pursue a research career in psychology. The programme will also allow students to tailor their degree according to their interests, taking modules from our wide-range of world-class specialist modules.

In general, we aim to provide a high quality teaching and learning environment through the use of the latest teaching tools, team-taught courses, and closely mentored research with experts in different areas in psychology.

Compulsory Modules:

• Research Methods Skills

This will provide you with the statistical skills that you need to conduct and evaluate psychological research.

• Research Dissertation

You will collect, analyse and interpret their data, and present your empirical project, in a topic that you have agreed with your supervisor, in a formal thesis. Students will also present their research in a conference.

Optional Modules:

- Methods in Cognitive and Brain Research
- Bilingualism: Research and Methods
- Clinical Neuropsychology I and II
- Practical Programming
- Theoretical Models in Clinical Psychology
- Topics in Child Health and Wellbeing
- Advanced Research Methods
- Nudges and Behaviour Change

- Introduction to Neuroimaging
- Introduction to Neuroimaging Analysis
- Biological Bases of Neurological Disorders

RESEARCH LINKS/LINKS WITH INDUSTRY

The academics involved with this programme have extensive research links with external bodies and companies, which are fully utilised in ensuring that the modules are relevant to the modern work and research environment graduates will enter.

CAREER PROSPECTS

The course overlaps with the MSc in Psychological Research, but instead of emphasising research skills, this programme will empower students with a range of professional skills. These skills are valuable, and highly sought after, in a range of different areas.

For further course details, please see:
www.bangor.ac.uk/go/pg/psychology

Positive Behaviour Support MSc

COURSE DURATION

MSc: 1 year full-time, 2-3 years part-time.

ENTRY REQUIREMENTS

A single or joint honours degree in Psychology or a related subject area (e.g., special education, speech and language therapy), normally with a minimum degree class of 2(ii) or equivalent clinical experience.

IELTS: 6.0 (with no element below 5.5) is required.

COURSE DESCRIPTION

This course has been developed by Board Certified Behavior Analysts (BCBA) in collaboration with the Behavior Analysts Certification Board (BACB). PBS is an example of behavior analysis in a particular practice setting (usually implemented for adults with intellectual disabilities or within special education settings) and is currently unique within the UK.

Students will develop an advanced conceptual understanding of Applied Behaviour Analysis (ABA) and positive behaviour support, behavioural theories relevant to the development and treatment of psychological disorders and advanced knowledge of positive behaviour support and research methodology. You will gain a thorough understanding of the development of key competencies in use of behavioural principles in clinical settings using the positive behaviour support model and conduct applied behavioural research during the thesis.

Graduates will acquire detailed knowledge and understanding of ABA and PBS theory and practice.

Successful MSc candidates will leave the course with eligibility criteria for the full BCBA certification examination.

Compulsory Modules:

• Principles of Learning & Behaviour Change I

This module sets the foundation for understanding behaviour analysis on a theoretical and philosophical basis and the implications these principles have for the treatment of behavioural problems.

• Principles of Learning & Behaviour Change II

This module provides an understanding of the basic concepts and procedures used in applied behaviour analytic interventions. An emphasis will be placed on practical applications of the fundamental elements of behaviour change.

• Ethics and Professional Conduct

This module provides advanced practical skills and knowledge in ethical considerations in clinical settings.

• Positive Behavioural Support I

This module explores person-centred behavioural approaches and ordinary life outcomes for people with learning disabilities who display challenging behaviour.

• Advanced Behavioural Research Methods and Proposal

This module provides students with an understanding of experimental validity and its relationship to experimental design in behaviour analysis. It provides an overview of single subject designs, group designs, data collection techniques and analysis, evaluation of research evidence and graphing data.

RESEARCH LINKS/LINKS WITH INDUSTRY

Staff involved in the course include experts in Positive Behaviour Support involved in informing policy and publications of how Positive Behaviour Support fits in the UK context and can be delivered.

CAREER PROSPECTS

Successful candidates leave the course having met the taught course component of the eligibility criteria to sit the Board Certified Behavior Analyst (BCBA) certification examination offered by the Behavior Analyst Certification Board (BACB). Employers are increasingly seeking people who qualified as BCBAs, and our students have a distinct advantage for obtaining advanced training and further employment in areas of employment that deal with challenging behaviour, special educational provisions, and developmental disabilities.

For further course details, please see:

www.bangor.ac.uk/go/pg/psychology

Psychological Research MSc

COURSE DURATION

MSc: 1 year full-time,
Can also be studied part-time.

ENTRY REQUIREMENTS

You must have a single or joint honours degree in Psychology or other relevant discipline, with a minimum degree class of 2.i. International students will be given individual consideration, but you must be able to demonstrate English language proficiency equivalent to an IELTS score of 6.5 (with no element below 6.0) and you will be expected to demonstrate that you have a suitable academic background for the programme.

COURSE DESCRIPTION

Our MSc in Psychological Research is exceptional for its dual emphasis on basic psychological science and applied issues. The course will provide you with a wide range of practical research skills, advanced study in modern psychology, and an opportunity to learn how this knowledge is applied in either industrial or clinical settings. The course has been recognised by the Economic and Social Research Council (ESRC) as providing the transferable skills essential to social science research that will help you when looking for a PhD opportunity. This course will get a comprehensive research experience working with top international calibre researchers, and an exceptional opportunity to see how modern psychology can be put into practice.

The course consists of two parts. Part one comprises taught modules over two semesters. You are required to take three 'content' modules, each designed to provide knowledge and promote your understanding in a specific core area of psychology. You also take three 'skills' modules designed to help you acquire research skills. In addition you take two tutorial modules with your supervisor wherein you develop a research proposal for your thesis.

On successful completion of Part One, you'll proceed to Part Two (in the third semester). At this time you complete and write your thesis.

The thesis is the 'heart' of the MSc and is an intensive research experience conducted in collaboration with your supervisor that allows you to put your knowledge and skills into practice. In conducting your thesis project, you will develop new skills such as planning, co-operative working, and the academic skills essential to understanding and reporting findings to others.

Compulsory Modules:

• Research Rotation

You will be embedded in two different labs and will gain a wealth of theoretical knowledge and practical skills that will enable you to produce your own high class research.

• Research Dissertation

In this module you will collect, analyse and interpret data, and present empirical project in a formal thesis.

• Advanced Research Methods

This module provides you with skills in the statistical techniques that are used when studying psychology.

Optional Modules include:

- Introduction to Neuroimaging
- Clinical Neuropsychology I and II
- Consumer Psychology: Theory
- Practical Programming
- Bilingualism: Research and Method
- Biological Bases of Psychological Disorders
- Topics in Child Health & Wellbeing
- Methods in Cognition and Brain Research
- Nudges and Behaviour Change
- The Psychology of Language

RESEARCH LINKS/LINKS WITH INDUSTRY

The academics involved with this programme have extensive research links with external bodies and companies, which are fully utilised in ensuring that the modules are relevant to the modern work and research environment graduates will enter.

CAREER PROSPECTS

If you are looking to specialise in a particular area of Psychology prior to undertaking a PhD or are looking for a post as a research assistant then this ESRC accredited Masters is for you. It also provides excellent general research skills that can be used in a range of other employment environments if you're not thinking of a PhD.

For further course details, please see:

www.bangor.ac.uk/go/pg/psychology

Principles of Clinical Neuropsychology MSc

COURSE DURATION

MSc: 1 year full-time;
Can also be studied part-time.

ENTRY REQUIREMENTS

You must have a good single or joint honours degree in Psychology or other relevant discipline, with a minimum degree class of 2.ii. International students will be given individual consideration, but you must be able to demonstrate English language proficiency equivalent to an IELTS score of 6.0 (with no element below 5.5) and you will be expected to demonstrate that you have a suitable academic background for the programme.

COURSE DESCRIPTION

The course will provide you with a strong foundation of knowledge in the following areas relevant to clinical neuropsychology:

- Neuropsychological theory and evidence from clinical and experimental studies
- Neuropsychological disorders, including their bases in neuroanatomy and neuropathology, and their impact on individuals and families
- Neuropsychological assessment
- Neuropsychological rehabilitation
- Research methods
- Conducting neuropsychological research.

We use a wide range of the latest techniques for understanding brain-behaviour relationships, including functional brain mapping with event related potentials (ERP), transcranial magnetic stimulation (TMS), and functional magnetic resonance imaging (fMRI).

Compulsory Modules:

• Clinical Neuropsychology I

This module introduces you to major neuropsychological syndromes following brain damage and to a variety of different tests and assessment procedures.

• Clinical Neuropsychology II

This module provides the basic facts concerning the epidemiology, pathology, clinical presentation, diagnostic criteria, and neuropsychiatric sequelae of common Neurological and Psychiatric disorders.

• Research Dissertation

In this module you will collect, analyse and interpret your data, and present your empirical project in a formal thesis.

• Advanced Research Methods

This module provides you with skills in the statistical techniques that are used when studying psychology.

• Biological Bases of Neurological Disorders

This module provides students with an integrated perspective on neurodevelopmental disorders that emphasizes the biological contributions to behaviours

Optional Modules include:

- Introduction to Neuroimaging
- Behavioural Neurology
- Applied Psychology in Context
- Theoretical Models in Clinical Psychology
- Introduction to Neuroimaging Analysis

RESEARCH LINKS/LINKS WITH INDUSTRY

The academics involved with this programme have extensive research links with external bodies and companies, which are fully utilised in ensuring that the modules are relevant to the modern work and research environment graduates will enter.

CAREER PROSPECTS

On successful completion of the course, you will be well equipped to undertake further postgraduate study leading to a PhD, or to work in neuropsychological research. The course provides an excellent basis if you are seeking employment in health care, for example as an assistant psychologist or rehabilitation assistant, and for progressing to professional training, for example in clinical psychology or related areas. Established health professionals taking the course will find that it provides a valuable opportunity for continuing professional development, which may contribute to future career progression.

For further course details, please see:

www.bangor.ac.uk/go/pg/psychology

Clinical and Health Psychology MSc

COURSE DURATION

MSc: 1 year full-time,
Can also be studied part-time.

ENTRY REQUIREMENTS

You must have a good single or joint honours degree in Psychology or other relevant discipline, with a minimum degree class of 2.ii. International students will be given individual consideration, but you must be able to demonstrate English language proficiency equivalent to an IELTS score of 6.0 (with no element below 5.5) and you will be expected to demonstrate that you have a suitable academic background for the programme.

Applicants with degrees of an equivalent standard in a closely related discipline, including qualified health professionals (e.g. clinical psychologists, psychiatrists, occupational therapists) who have relevant clinical experience, will also be considered.

COURSE DESCRIPTION

This course will enable you to apply psychological understanding to difficulties connected with mental or physical health problems. You will be introduced to the theory and knowledge that underpins effective practice in clinical and health psychology, will explore this in relation to a range of conditions, will gain an understanding of the range of research methods used by clinical psychologists, and will conduct your own research project in a relevant area.

Close links with other departments, such as the School of Healthcare Sciences with NHS services will provide you with opportunities for collaborative clinical psychology research. Researchers in the School use a wide range of the latest techniques for understanding brain-behaviour relationships, including functional

brain mapping with event related potentials (ERP), transcranial magnetic stimulation (TMS), and functional magnetic resonance imaging (fMRI). This gives you the chance to use the latest equipment and techniques.

Compulsory Modules:

• Applied Psychology in Context

This module gives an overview of applied psychology from and within a variety of contexts and gives a grounding in how psychological knowledge is applied, and the associated professional issues. It gives the opportunity to further develop professional skills alongside an established career or as a starting point for a career in clinical and health settings.

• Theoretical Models in Clinical Psychology

This module explores the key theoretical models on which clinical psychology practice is based, and illustrates how these models inform clinical practice

• Advanced Research Methods

This module will provide you with the statistical skills that you need to conduct and evaluate psychological research.

• Research Dissertation

You will collect, analyse and interpret data, and present your empirical project, in a topic that you have agreed with your supervisor, in a formal thesis. Students will also present their research in a conference.

Optional Modules include:

- Clinical Neuropsychology I and II
- Topics in Child Health and Wellbeing
- Biological Bases of Psychological Disorders
- Methods in Cognition and Brain Research
- Nudges and Behaviour Change
- Global Early childhood
- The Psychology of Language
- Introduction to Neuroimaging

RESEARCH LINKS/LINKS WITH INDUSTRY

The academics involved with this programme have extensive research links with external bodies and companies, which are fully utilised in ensuring that the modules are relevant to the modern work and research environment graduates will enter.

CAREER PROSPECTS

This course is suitable for those aiming for a career in clinical or health psychology and do not yet have relevant work experience. It will provide you with a sound basis for obtaining employment as an assistant psychologist and later gaining entry to clinical training. If you already have relevant work experience the course provides evidence of your academic and research skills, which is valuable when making applications for clinical training. It is also an excellent preparation if you are keen to pursue research in the area of clinical psychology and for qualified health professionals with an appropriate academic background, who wish to extend their understanding of clinical psychology.

For further course details, please see:

www.bangor.ac.uk/go/pg/psychology

COURSE DURATION

MSc: 2 years full-time.

ENTRY REQUIREMENTS

Applicants will have one of the following academic qualifications:

- 2.ii or above undergraduate degree in Psychology or Counselling (or closely-related) subject
- OR 2.ii or above undergraduate degree in unrelated subject AND certificate in Counselling
- OR relevant professional experience AND evidence of academic capability to postgraduate level

If the applicant has English as a second language, then they will also be required to hold an IELTS of 7 and exhibit clear evidence of communication skills through the medium of English in the interview.

Applicants will also be required to complete a Disclosure and Barring Service (DBS) check, and the acceptance on the course will depend on their fitness to practice with vulnerable adults.

Applicants must pass a structured interview assessing suitability for the course and professional practice as a counsellor. This structured interview is a requirement of the British Association for Counselling and Psychotherapy.

COURSE DESCRIPTION

This course aims to prepare you to take an active role as a member of the professional counselling/ psychotherapy community. This course explores a range of psychological approaches and therapeutic methods to provide holistic training in counselling. You will learn about the Humanistic approach and Person-Centred therapy, Psychodynamic approach and Psychoanalytic therapy, Behavioural approach and Behaviour therapy, and Cognitive approach and Cognitive therapy. You will also be introduced to several integrative approaches, such as CBT, REBT, and TA. In addition, you will take part in practical activities to develop your communication skills and help you to introduce the therapeutic techniques into your practice. This extensive curriculum will equip you to work with clients across various settings, and provide you with a toolkit of evidence-based techniques and relationship-focused methods. This course will also include a solid foundation in Psychology and Research, so that you will graduate with all of the skills needed to apply for doctorate level study or work in an empirically-based practice.

Compulsory Modules:

During the first year of the course, you will gain a comprehensive understanding of psychology, counselling, research, and mental health through the following compulsory modules:

- Research Skills
- Therapeutic Process and Context
- Communication Skills
- Approaches and Therapies 1 and 2
- Research Methods and Statistics
- Research Practice
- Mental Health and Wellbeing
- Counselling Skills 1 and 2
- Mental Health and Wellbeing

During the second year of the course, you will have a unique opportunity to elect two modules from the wide range of options available in the School of Psychology. These options may include courses in Mindfulness, Clinical Psychology, Neuropsychology, and Applied Behaviour Analysis. This additional specialised training will give you an extra advantage as a counselling graduate, and will further equip you with the skills needed to excel in your career.

CAREER PROSPECTS

One in four adults experience at least one mental health difficulty in any given year and mental health issues account for the largest single cause of disability in the UK (Mental Health Taskforce Strategy, Feb 2016). The NHS has committed to a transformation of mental health care across the UK and pledged to invest more than one billion pounds a year by 2020/21. As a result of this commitment and the increasing need for mental health support, employment opportunities in counselling are likely to expand in the near future. Graduates from this course will be particularly well equipped to succeed in this growing market.

For further course details, please see:
www.bangor.ac.uk/go/pg/psychology



Mindfulness-Based Approaches MA/MSc

COURSE DURATION

This is a part-time Masters programme, with most of our 30-credit modules taught over five weekends, spread across the academic year. The full Master's degree can be completed in 3 years, or up to a maximum of 5 years.

ENTRY REQUIREMENTS

Applicants will normally have the following: an initial degree or recognised equivalent qualification, as well as personal experience of mindfulness practice in the form taught in Mindfulness Based Approaches (MBAs). We also ask that you have attended an 8-week MBSR or MBCT course.

COURSE DESCRIPTION

Our teaching is delivered in the interactive, participatory, collaborative style used when teaching mindfulness-based approaches in other contexts. There is an option to take modules that will lead you to gain 'The Certificate of Competence in Teaching MBSR/MBCT'. Which is currently the highest teacher UK certification available.

The MSc/MA in Mindfulness-Based Approaches is designed to provide you with strong experiential and theoretical knowledge in MBAs as a basis for professional practice, teaching, and research in this area.

The curriculum is designed to extend your personal experience of the practice of mindfulness, knowledge of the growing field of MBAs, and skills and understanding in teaching these.

Compulsory Modules:

- **Foundation in Mindfulness-Based Approaches**
This module integrates deepening your personal experience of mindfulness practice with a theoretical underpinning of mindfulness.

- **Research Module**

This module helps you prepare for your thesis. Content includes learning how to read and critique a research paper, designing your research project, as well as equipping you with a knowledge of the body of research on Mindfulness-Based Approaches.

- **Thesis Module**

A research thesis of up to 20,000 words presenting an individual research project conducted on a topic relevant to Mindfulness-Based Approaches.

Optional Modules (please see our latest online prospectus for details):

- Teaching 1
- Teaching 2
- The Buddhist Background to Mindfulness-Based Courses
- Mindfulness and the Brain
- Assessed Teaching Practice

RESEARCH LINKS/LINKS WITH INDUSTRY

The academics involved with this programme have extensive teaching and research links with external bodies, particularly in connection to implementation of mindfulness within contexts such as health care and social care, education and workplace. These links are fully utilised in ensuring the programmes are relevant to the varied contexts that graduates will enter.

CAREER PROSPECTS

This course could enable you to develop your career in a number of ways. Many students intergrate mindfulness in their professional life and some develop businesses and teach mindfulness full-time. Students may opt to go on to further postgraduate study leading to a PhD. For qualified health, social care or education professionals, the course offers an exciting opportunity for continuing professional development.

For further course details, please see:
www.bangor.ac.uk/go/pg/psychology

Teaching Mindfulness-Based Courses MA

COURSE DURATION

PgDip: 4-5 years part-time.

ENTRY REQUIREMENTS

Applicants will normally have the following: an initial degree or recognised equivalent qualification, as well as personal experience of mindfulness practice in the form taught in Mindfulness Based Approaches (MBAs). We also ask that you have attended an 8-week MBSR or MBCT course.

COURSE DESCRIPTION

This course has been designed to give a strong experiential and theoretical knowledge base, together with a full training, in teaching Mindfulness-Based Cognitive Therapy (MBCT) or Mindfulness-Based Stress Reduction (MBSR) within the student's own professional context.

For qualified health, social care or education professionals it gives the opportunity to gain both an academic award, and in addition a Certificate of Competence in Teaching MBSR/MBCT, which is awarded by the Centre for Mindfulness Research and Practice, internationally acclaimed for standards of excellence in this field.

The course programme consists of four compulsory modules all of which have to be taken sequentially over four years, the first three being delivered over five weekends per year, while the teaching element of the final module is given in a 7-day residential block.

The first year (Foundation module) is used to develop and deepen your own personal mindfulness practice and to learn about key theories that underpin mindfulness. From then,

the programme gives students the opportunity to gain in-depth levels of understanding and practice in teaching the 8-week mindfulness course; also to be assessed on practical skills learned within the teaching group, as well as on their understanding and skills in critical analysis of the theories and rationales underlying mindfulness-based courses.

In the final module, Assessed Teaching Practice, students are assessed through their recordings of teaching a mindfulness-based course within their own professional context, as well as through written work.

Compulsory Modules:

- **Foundation in mindfulness-based approaches**
This module integrates personal experience of mindfulness practice with a development of understanding of the rationale MBAs.

- **Teaching 1**

This module develops core skills and understanding in the delivery of MBAs.

- **Teaching 2**

This module involves further development of skills and deepening of understanding in delivering MBAs.

- **Assessed Teaching Practice**

In this module you will engage in a developmental process that integrates and builds on previous personal, theoretical and skills-based learning in mindfulness issues.

Optional Modules:

- Buddhist Background
- Mindfulness and the Brain
- Mindfulness and Pain and Illness
- Research

RESEARCH LINKS/LINKS WITH INDUSTRY

The academics involved with this programme have extensive teaching and research links with external bodies, particularly in connection to implementation of mindfulness within contexts such as health care and social care, education and workplace. These links are fully utilised in ensuring the programmes are relevant to the varied contexts that graduates will enter.

CAREER PROSPECTS

This course gives you full training to become an MBSR or an MBCT teacher within your own professional context. You have the opportunity to gain the highest mindfulness teaching qualification currently available in the UK; the Certificate of Competence in Teaching Mindfulness-Based Courses. Many students intergrate mindfulness in their professional life and some develop businesses and teach mindfulness full-time.

For further course details, please see:
www.bangor.ac.uk/go/pg/psychology

School of Sport, Health and Exercise Sciences

About the School

- **1st in Wales/7th in the UK for Research in Sport Science with 100% of research either world-leading or at an international level** (UK-wide Research Excellence Framework, 2014). All our researchers also teach, so this leads to inspirational, excellent teaching with research-led modules and supervised experience designed to develop your applied support skills.
- **High Student Satisfaction** – The School is consistently highly rated for student satisfaction in the Postgraduate Taught Experience Survey (PTES). Our three year average for overall satisfaction is 86%. We are ranked 8th in the UK sector for student satisfaction (2017 National Student Survey).
- **Skills Development** – 93% of the respondents to our latest survey (response rate 64%) agreed that their Masters programmes had developed their research skills (Postgraduate Taught Experience Survey, 2016).
- **Our unique location is fantastic for outdoor activities**, plus we have extensive sports and recreation facilities which are all offered completely free of charge.

The School of Sport, Health and Exercise Sciences (SHES) has been providing high-calibre MSc programmes since 2000 and attracts approximately 45 students per year from home and abroad, including students from the USA, Singapore, Bahrain, Pakistan, Malaysia, China and India.

We offer a wide range of degree courses from taught MSc programmes to more research-intensive MRes degrees – so, whatever you want to learn, we have a degree to suit you.

Staff are committed to maintaining the high quality of their research but are equally passionate about their teaching and professional support to students. The research they undertake is directly applicable to what they teach on undergraduate and postgraduate programmes.

The School values the overall experience of students highly and takes great pride in having a caring and student centred approach. Within a close knit and friendly academic community, the School aims to provide a challenging and enjoyable learning environment that is welcoming and supportive of all students.

Facilities

The School is based around a beautiful Grade II listed building on the banks of the Menai Strait and is well resourced for the scientific study of sport, health and exercise. It has an extensive range of laboratories containing state-of-the-art equipment for sport and exercise physiology, psychology, motor control and learning, and motion analysis. Facilities include:

- Physical Activity for Health and Wellbeing Centre housing exercise physiology testing and rehabilitation laboratories equipped with an Ultrasound and Isokinetic Dynamometer;
- an environmental chamber – to allow testing in extreme temperature and humidity conditions
- a hypoxia chamber – to allow research testing at simulated high altitudes

- a dual-energy x-ray absorptiometry (DEXA) scanner – to provide measurements of tissue composition.
- a motion analysis laboratory – equipped with a state-of-the-art 12 camera passive marker system to analyse whole body movement, and an active marker system to allow for analysis of smaller, part body movements
- psychology testing laboratories including a driving simulation and observation/ interview suite
- cell biology and biochemistry laboratories.

Overview of Academic Areas

The School offers a full range of taught and research sport, health and exercise science postgraduate degrees, from programmes that specialise in performance and health sciences to degrees with a greater vocational element (e.g. MSc in Exercise Rehabilitation). Which degree you choose will depend on your specific interests and your career aspirations.

Research Links

In exercise rehabilitation and disease prevention, the School's Health and Exercise Research Group collaborates with local NHS Boards, medical charities (e.g. Arthritis Care and Research), and research councils (e.g. National Institute for Health Research). Previous projects include exercise, nutrition and drug trials to combat muscle wasting in arthritis patients, investigation of disrupted breathing in patients with sleep apnoea and analysis of causes of fatigue in patients with chronic kidney disease.

The School's Extremes Research Group collaborates with the Ministry of Defence (e.g. British Army), research charities (e.g. Medical Expeditions) and international sports teams (e.g. New Zealand Rugby). Previous projects include investigating the effects of energy deficit on performance during arduous military training and causes of acute mountain sickness in trekkers. Current research includes investigating vitamin D and iron deficiency in army recruits and warm up routines for match preparation in rugby players.

In sport and exercise psychology, the School's Institute for the Psychology of Elite Performance collaborates with the Ministry of Defence (e.g. Initial Training Group, Defence Science & Technology Laboratory), with UK Sport and individual sports (e.g. the England and Wales Cricket Board, Rugby Football Union). Previous projects have included enhancing leadership styles during initial military training, talent identification and understanding the developmental journeys of Team GB's highest achieving athletes.

Staff have also provided professional support to a number of International sports and Governing Bodies. These include the British Gymnastic Association, Sport Wales, National Ice Skating Association, Orienteering Federation, Welsh Canoeing Association, and the Welsh Yachting Association.

Some staff have also provided expertise to the British Olympic Association, the British Olympic Medical Institute, British Weightlifting, the British Association of Sport and Exercise Sciences and the British Psychological Society.

COURSE LIST:

MSc/PgCert

- Applied Sport Science
- Applied Sport and Exercise Physiology
- Exercise Rehabilitation

MSc

- Sport and Exercise Psychology (BPS Accredited)

MRes/PgCert

- Sport and Exercise Physiology
- Sport and Exercise Psychology
- Sport and Exercise Science

PhD/MPhil/MSciRes

- Sport, Health and Exercise Sciences

TO FIND OUT MORE:

Tel: +44 (0) 1248 388286

Taught courses: msscsp@bangor.ac.uk

Research courses including MRes:

shesphds@bangor.ac.uk

www.bangor.ac.uk/sport

@SportSciBangor

"I feel like the entire staff is supporting my research and is helping me to set up and carry out a great study, the new physiology labs provide a great setting to conduct my research."

PHILIP STEVENSON, Arizona, USA
MSc Exercise Rehabilitation 2016/17

Based on the high quality of its research, the School has developed an excellence in enterprise and innovation activities. These activities, including knowledge transfer, involve the School in developing productive and collaborative relationships with the public/private sectors, local communities and other agencies. These relationships provide an opportunity to work with local businesses to facilitate high quality and meaningful student experiences, carry out relevant and applicable research and contribute to the local community. Examples of existing partners include Snowdonia Active, Outdoor Partnership, Outlook Expeditions, Sports Council for Wales and Rygbi Gogledd Cymru (North Wales Regional Rugby).

Employability and Career Prospects

The School's postgraduate programmes will prepare students for a career as a sport scientist, working with squads of elite athletes and performers to fine tune their training; sport science research; working in the public health sector, for example in sports therapy or physiotherapy; or working in the health/fitness industry generally. Postgraduate study and a career in teaching (after completing a postgraduate certificate of education), research and lecturing is another vocational route.

The Exercise Rehabilitation programme is aimed at Sport Science or Health graduates, interested in developing their expertise and knowledge base in exercise and rehabilitation.

Funding

The following are offered to students applying to study on any taught postgraduate programme:

First class funding – Excellence Award (Home/EU Students only)

The School will reward academic excellence at entry by offering a fee reduction of £1,000 for self-funding Home/EU students who achieve a first class honours degree (or equivalent).

Graduate Assistantships

All postgraduate taught applicants (Home/EU/International, full-time and part-time) are eligible to **APPLY** to become a Graduate Assistant (GA). Graduate Assistants are paid to work with academic staff in a range of teaching, learning and assessment activities to support undergraduate student learning for up to **60 hours** each academic year.

How Graduate Assistantships support career Development

SHES postgraduate programmes equip students with the latest knowledge in their selected field, plus a wide range of transferable skills, and an autonomous approach to learning that keeps them at the cutting edge of their chosen career. Assistantships are an innovative feature that allows students to put some of their learning into practice by supporting School activities, to help develop their personal applied support skills and to enhance their CVs with direct experience to support their future employability.

Graduate Assistants from the School have gone on to work as lecturers and research assistants in FE/HE, teachers, physiotherapists and exercise rehabilitation specialists, outdoor instructors/guides and paramedics.

For further information about the School's bursaries and assistantships go to: www.bangor.ac.uk/sport/bursaries.php.en

Duration of MSc/MRes Programmes

One-year full-time/Two years part-time (as standard).

The taught modules will run from September to March/April and the Research Project from April to September (December to September for MRes students).

MSc Entry Requirements

At least a 2.ii honours degree in a relevant subject is required.

MRes Entry Requirements

At least a 2.i honours degree in a relevant subject is required.

English Language Requirements

EU and Overseas students, whose first language is not English, are required to take the standardised English Language test (IELTS) at their British Council before the June of their admission to the course.

MSc students who achieve a score of 6.0 or above (no individual score below 5.5) are eligible for direct entry to the course.

MRes students who achieve a score of 6.5 or above (no individual score below 6.0) are eligible for direct entry to the course.

Application Process

MSc Applications

Quick and easy to apply online at: www.bangor.ac.uk/courses/postgrad/taught/application.php.en

MRes Applications

Applicants who are interested in undertaking an MRes programme should first identify and contact a potential supervisor from the staff list available and contact www.bangor.ac.uk/sport to discuss the possibility of supervision.

They should then follow the online application process, found at:

www.bangor.ac.uk/courses/postgrad/research/index.php.en

In addition, students should prepare a brief outline of their proposed area of research to accompany their application form.

“This is one of the leading exercise science programmes in the UK and, in my experience of other similarly high ranking programmes, the standards applied are consistent with the best national standards.”

DR JAMES BETTS
MSc External Examiner



Applied Sport Science MSc

COURSE DURATION

MSc: 1 year full-time, Part-time available.

ENTRY REQUIREMENTS

At least a 2.ii honours degree in a relevant subject (or equivalent). Students with a degree from a different academic area may also be considered. Working professionals with non-graduate qualifications will be assessed on an individual basis. Please contact us. EU and Overseas students, whose first language is not English, are required to take the standardised English Language test (IELTS). Students who achieve a score of 6.0 or above (no individual score below 5.5) are eligible for direct entry to the course

COURSE DESCRIPTION

This course provides a focus on sport and performance. It has been designed to be flexible and relevant to the student's individual needs and interests, with a strong emphasis on the application of theory to professional practice.

Compulsory modules:

- **Supervised Experience** – to provide students with supervision and support to develop their personal applied support skills in either sport and exercise physiology or psychology; or exercise rehabilitation. The content of this module will be largely student specific and include activities (workshops, directed reading, client-based work) that will develop the individual's personal applied support skills.
- **Research Project** – the aim is to enable students to synthesize knowledge and competencies gained during taught module aspects of the MSc courses to produce a scholarly and in-depth research study.

Optional modules include:

- **Exercise is Medicine** – this module explores the theoretical basis of aging on several physiological systems of the body, as well as the utilisation of exercise to treat a variety of

pathological conditions. Students will be given opportunities to develop key practical skills in clinical exercise testing according to current guidelines. Students will also gain insights about cardiovascular disease in the general population and in patients with inflammatory autoimmune disease. Additional practical sessions will help students explore techniques used for blood vessel imaging in cardiovascular research.

- **Performance Psychology** – 'Stress and Performance', 'Mental Toughness' and 'Group Dynamics', are the main theoretical areas that underpin this module. The aims of this module are to allow students to understand the theories related to these areas, and to apply sport psychology theory to real-life situations.
- **Exercise Psychology** – the aim of this module is to examine some of the major theoretical and practical issues in applied exercise psychology.
- **Performance Physiology** – the primary aim is to provide a physiological framework for better understanding at postgraduate taught level of sports and exercise performance.
- **Sports Injury Rehabilitation** – Provides a theoretical overview of rehabilitation. This will be done by considering a number of different injuries covering different tissues and body parts. Whilst the course will focus on the treatment of elite athletes, the principles studied can be applied at all levels.
- **Psychology of Injury and Rehabilitation** – the aim of this module is to enable students to: Develop a breadth and depth of knowledge and critical understanding of the models guiding inquiry into the prediction of sport injury from a psychosocial perspective and to develop an understanding of the theoretical perspectives of sports injury rehabilitation from a psychological standpoint. Students will develop a sound understanding of the application of psychological interventions, within a rehabilitation setting; the journey of return to competition, and the reasons behind the failure of some athletes to rehabilitate.

- **Effective Coach Practice** – a problem-based learning approach will be used. Skills taught or practiced include: identifying and adopting strategies for best practice in coaching; integrating motor programming and skill acquisition theory and principle with coaching practice and recommending interventions to accelerate learning via effective manipulation of the coaching environment.
- **Psychology of Effective Coaching** – the coach athlete relationship is often a very complex relationship. Both the coach and the athlete want to achieve success but often have opposing views about how to get there. The module will focus on psychological and cognitive processes of the coach athlete relationship.

Other options include:

- Dissertation Proposal
- Advanced Research Skills
- Research Methods
- Research Project Proposal

CAREER PROSPECTS

All the School's postgraduate programmes are designed (with further training where appropriate) to enhance the career prospects of Sport, Health and Exercise Science graduates. Career destinations of Bangor postgraduates include: The Home Country Sports Institutes, National Governing Bodies, the Olympic Medical Institute, Professional sports teams and organisations, the fitness industry, the NHS (hospitals and Primary Care Trusts), Teaching and Education (after completing a Postgraduate Certificate of Education). Further postgraduate study (i.e. Doctoral research) is another vocational route.

For further course details, please see:

www.bangor.ac.uk/sport/postgraduate-courses/applied-sport-science-msc

Applied Sport and Exercise Physiology MSc

COURSE DURATION

MSc: 1 year full-time, Part-time available.

ENTRY REQUIREMENTS

At least a 2.ii honours degree in a relevant subject (or equivalent).

Students with a degree from a different academic area may also be considered. Working professionals with non-graduate qualifications will be assessed on an individual basis. Please contact us.

EU and Overseas students, whose first language is not English, are required to take the standardised English Language test (IELTS). Students who achieve a score of 6.0 or above (no individual score below 5.5) are eligible for direct entry to the course

COURSE DESCRIPTION

This course focuses on sport and exercise physiology. It has been designed to be flexible and relevant to the student's individual needs and interests, with a strong emphasis on the application of theory to professional practice.

Compulsory modules:

- **Exercise is Medicine** – this module explores the theoretical basis of aging on several physiological systems of the body, as well as the utilisation of exercise to treat a variety of pathological conditions.

Students will be given opportunities to develop key practical skills in clinical exercise testing according to current guidelines. Students will also gain insights about cardiovascular disease in the general population and in patients with inflammatory autoimmune disease. Additional practical sessions will help students explore techniques used for blood vessel imaging in cardiovascular research.

- **Performance Physiology** – the primary aim is to provide a physiological framework for better understanding at postgraduate taught level of sports and exercise performance.
- **Supervised Experience** – to provide students with supervision and support to develop their personal applied support skills in either sport and exercise physiology or psychology; or exercise rehabilitation. The content of this module will be largely student specific and include activities (workshops, directed reading, client-based work) that will develop the individual's personal applied support skills.
- **Sports Injury Rehabilitation** – Provides a theoretical overview of rehabilitation. This will be done by considering a number of different injuries covering different tissues and body parts. Whilst the course will focus on the treatment of elite athletes, the principles studied can be applied at all levels.

- **Research Project** – the aim of the Research Project is to enable students to synthesize knowledge and competencies gained during taught module aspects of the MSc courses to produce a scholarly and in-depth research study.

Other options include:

- Dissertation Proposal
- Advanced Research Skills
- Research Methods
- Research Project Proposal

CAREER PROSPECTS

All the School's postgraduate programmes are designed (with further training where appropriate) to enhance the career prospects of Sport, Health and Exercise Science graduates. Career destinations of Bangor postgraduates include: The Home Country Sports Institutes, National Governing Bodies, the Olympic Medical Institute, Professional sports teams and organisations, the fitness industry, the NHS (hospitals and Primary Care Trusts), Teaching and Education (after completing a Postgraduate Certificate of Education). Further postgraduate study (i.e. Doctoral research) is another vocational route.

For further course details, please see:

www.bangor.ac.uk/sport/postgraduate-courses/applied-sport-and-exercise-physiology-msc

Exercise Rehabilitation MSc

COURSE DURATION

MSc: 1 year full-time, Part-time available.

ENTRY REQUIREMENTS

At least a 2.ii honours degree in a relevant subject (or equivalent).

Students with a degree from a different academic area may also be considered. Working professionals with non-graduate qualifications will be assessed on an individual basis. Please contact us.

EU and Overseas students, whose first language is not English, are required to take the standardised English Language test (IELTS). Students who achieve a score of 6.0 or above (no individual score below 5.5) are eligible for direct entry to the course

COURSE DESCRIPTION

The course programme will suit graduates in Sport Sciences or Physical Therapy who are interested in exercise rehabilitation in particular. It has been designed to be flexible and relevant to the student's individual needs and interests, with a strong emphasis on the application of theory to professional practice.

Compulsory modules:

- **Exercise is Medicine** – this module explores the theoretical basis of aging on several physiological systems of the body, as well as the utilisation of exercise to treat a variety of pathological conditions. Students will be given opportunities to develop key practical skills in clinical exercise testing according to current guidelines. Students will also gain insights

about cardiovascular disease in the general population and in patients with inflammatory autoimmune disease. Additional practical sessions will help students explore techniques used for blood vessel imaging in cardiovascular research.

- **Supervised Experience** – to provide students with supervision and support to develop their personal applied support skills in either sport and exercise physiology or psychology; or exercise rehabilitation. The content of this module will be largely student specific and include activities (workshops, directed reading, client-based work) that will develop the individual's personal applied support skills.
- **Exercise Psychology** – the aim of this module is to examine some of the major theoretical and practical issues in applied exercise psychology.
- **Research Project** – the aim of the Research Project is to enable students to synthesize knowledge and competencies gained during taught module aspects of the MSc courses to produce a scholarly and in-depth research study.

Optional modules include:

- **Sports Injury Rehabilitation** – Provides a theoretical overview of rehabilitation. This will be done by considering a number of different injuries covering different tissues and body parts. Whilst the course will focus on the treatment of elite athletes, the principles studied can be applied at all levels.
- **Psychology of Injury and Rehabilitation** – the aim of this module is to enable students to develop a breadth and depth of knowledge and critical understanding of the models guiding inquiry into the prediction of sport

injury from a psychosocial perspective and to develop an understanding of the theoretical perspectives of sports injury rehabilitation from a psychological standpoint. Students will develop a sound understanding of the application of psychological interventions, within a rehabilitation setting; the journey of return to competition, and the reasons behind the failure of some athletes to rehabilitate.

Other options include:

- Dissertation Proposal
- Advanced Research Skills
- Research Methods
- Research Project Proposal

CAREER PROSPECTS

All the School's postgraduate programmes are designed (with further training where appropriate) to enhance the career prospects of Sport, Health and Exercise Science graduates. Career destinations of Bangor postgraduates include: The Home Country Sports Institutes, National Governing Bodies, the Olympic Medical Institute, Professional sports teams and organisations, the fitness industry, the NHS (hospitals and Primary Care Trusts), Teaching and Education (after completing a Postgraduate Certificate of Education). Further postgraduate study (i.e. Doctoral research) is another vocational route.

For further course details, please see:

www.bangor.ac.uk/sport/postgraduate-courses/exercise-rehabilitation-msc

Sport and Exercise Psychology MSc (British Psychological Society BPS accredited)

COURSE DURATION

MSc: 1 year full-time, Part-time available.

ENTRY REQUIREMENTS

At least a 2.ii honours degree in a relevant subject (or equivalent). Applicants who do not hold Graduate Basis for Chartered Membership are eligible to apply for this programme, but their qualification will not be BPS accredited.

EU and Overseas students, whose first language is not English, are required to take the standardised English Language test (IELTS). Students who achieve a score of 6.0 or above (no individual score below 5.5) are eligible for direct entry to the course

COURSE DESCRIPTION

The School is proud to have been the first to gain BPS postgraduate professional training accreditation for this MSc programme. The course aims to provide Stage One of the training required to achieve Chartered Status and full membership of the BPS's Division of Sport and Exercise Psychology for applicants who hold GBC.

Compulsory modules:

- **Supervised Experience** – to provide students with supervision and support to develop their personal applied support skills in either sport and exercise physiology or psychology; or exercise rehabilitation. The content of this module will be largely student specific and include activities (workshops, directed reading, client-based work) that will develop the individual's personal applied support skills.

- **Effective Coach Practice** – a problem-based learning approach will be used. Skills taught or practiced include: identifying and adopting strategies for best practice in coaching; integrating motor programming and skill acquisition theory and principle with coaching practice and recommending interventions to accelerate learning via effective manipulation of the coaching environment
- **Psychology of Effective Coaching** – the coach athlete relationship is often a very complex relationship. Both the coach and the athlete want to achieve success but often have opposing views about how to get there. The module will focus on psychological and cognitive processes of the coach athlete relationship.
- **Performance Psychology** – 'Stress and Performance', 'Mental Toughness' and 'Group Dynamics', are the main theoretical areas that underpin this module. The aims of this module are to allow students to understand the theories related to these areas, and to apply sport psychology theory to real-life situations.
- **Exercise Psychology** – the aim of this module is to examine some of the major theoretical and practical issues in applied exercise psychology.
- **Research Project** – the aim of the Research Project is to enable students to synthesize knowledge and competencies gained during taught module aspects of the MSc courses to produce a scholarly and in-depth research study.

Optional Modules Include:

- Dissertation Proposal
- Advanced Research Skills
- Research Methods
- Research Project Proposal

CAREER PROSPECTS

All the School's postgraduate programmes are designed (with further training where appropriate) to enhance the career prospects of Sport, Health and Exercise Science graduates. Career destinations of Bangor postgraduates include: The Home Country Sports Institutes, National Governing Bodies, the Olympic Medical Institute, Professional sports teams and organisations, the fitness industry, the NHS (hospitals and Primary Care Trusts), Teaching and Education (after completing a Postgraduate Certificate of Education). Further postgraduate study (i.e. Doctoral research) is another vocational route.

For further course details, please see:

www.bangor.ac.uk/sport/postgraduate-courses/sport-and-exercise-psychology-bps-accredited-msc

Sport and Exercise Physiology MRes/PgCert

COURSE DURATION

MSc: 1 year full-time, Part-time available.

ENTRY REQUIREMENTS

At least a 2.ii honours degree in a relevant subject (or equivalent).

Students with a degree from a different academic area may also be considered. Working professionals with non-graduate qualifications will be assessed on an individual basis. Please contact us.

EU and Overseas students, whose first language is not English, are required to take the standardised English Language test (IELTS). Students who achieve a score of 6.0 or above (no individual score below 5.5) are eligible for direct entry to the course

COURSE DESCRIPTION

This programme has been designed to provide students with the opportunity to develop a critical understanding of the principles and application of research design and analytical methods relevant to the scientific study of the physiology of sport and exercise. The programme facilitates the integration of theory and professional practice, and throughout the programme the research process and emphasis on student autonomy of learning become increasingly important.

Compulsory modules:

- **Performance Physiology** – the primary aim is to provide a physiological framework for better understanding at postgraduate taught level of sports and exercise performance.
- **Advance Research Skills** – to provide critical understanding of research design and data analysis. To prepare students to complete their Masters independent study or proposal modules, and their dissertation module.
- **Presentations in Statistics** – the purpose of the module is to provide students with an in-depth understanding and critical appreciation of statistical procedures.
- **Peer Reviewing Scientific** – the main purpose of the module is to provide students with an in-depth understanding and critical appreciation of publishing peer revised scientific papers
- **Research Project** – the aim of the Research Project is to enable students to synthesize knowledge and competencies gained during taught module aspects of the MSc courses to produce a scholarly and in-depth research study.

CAREER PROSPECTS

You may have the opportunity to prepare for the British Association of Sport and Exercise Sciences (BASES) supervisory experience training, which is normally a pre-requisite of the Association's professional accreditation. BASES also organises an annual student conference. Former MSc students have won prestigious awards for 'Best Postgraduate Verbal Presentation' and 'Best Postgraduate Poster Presentation' at the BASES Student Conferences. These awards are open to MSc, MRes and PhD students from all UK Universities.

For further course details, please see:

www.bangor.ac.uk/sport/postgraduate-courses/sport-and-exercise-physiology-mres-pgcert

Sport and Exercise Psychology MRes/PgCert

COURSE DURATION

MSc: 1 year full-time, Part-time available.

ENTRY REQUIREMENTS

At least a 2.ii honours degree in a relevant subject (or equivalent).

Students with a degree from a different academic area may also be considered. Working professionals with non-graduate qualifications will be assessed on an individual basis. Please contact us.

EU and Overseas students, whose first language is not English, are required to take the standardised English Language test (IELTS). Students who achieve a score of 6.0 or above (no individual score below 5.5) are eligible for direct entry to the course

COURSE DESCRIPTION

This programme has been designed provide students with the opportunity to develop a critical understanding of the principles and application of research design and analytical methods relevant to the scientific study of the psychology of sport and exercise. The programme facilitates the integration of theory and professional practice, and throughout the programme the research process and emphasis on student autonomy of learning become increasingly important.

Compulsory modules:

- **Advance Research Skills** – to provide critical understanding of research design and data analysis. To prepare students to complete their Masters independent study or proposal modules, and their dissertation module.
- **Presentations in Statistics** – the purpose of the module is to provide students with an in-depth understanding and critical appreciation of statistical procedures.

- **Peer Reviewing Scientific** – the main purpose of the module is to provide students with an in-depth understanding and critical appreciation of publishing peer revised scientific papers
- **Research Project** – the aim of the Research Project is to enable students to synthesize knowledge and competencies gained during taught module aspects of the MSc courses to produce a scholarly and in-depth research study.

Optional modules include:

- **Psychology of Injury and Rehabilitation** – the aim of this module is to enable students to: Develop a breadth and depth of knowledge and critical understanding of the models guiding inquiry into the prediction of sport injury from a psychosocial perspective and to develop an understanding of the theoretical perspectives of sports injury rehabilitation from a psychological standpoint. Students will develop a sound understanding of the application of psychological interventions, within a rehabilitation setting; the journey of return to competition, and the reasons behind the failure of some athletes to rehabilitate.
- **Effective Coach Practice** – a problem-based learning approach will be used. Skills taught or practiced include: identifying and adopting strategies for best practice in coaching; integrating motor programming and skill acquisition theory and principle with coaching practice and recommending interventions to accelerate learning via effective manipulation of the coaching environment
- **Psychology of Effective Coaching** – the coach athlete relationship is often a very complex relationship. Both the coach and the athlete want to achieve success but often have opposing views about how to get there. The module will focus on psychological and cognitive processes of the coach athlete relationship.

- **Performance Psychology** – 'Stress and Performance', 'Mental Toughness' and 'Group Dynamics', are the main theoretical areas that underpin this module. The aims of this module are to allow students to understand the theories related to these areas, and to apply sport psychology theory to real-life situations.
- **Exercise Psychology** – the aim of this module is to examine some of the major theoretical and practical issues in applied exercise psychology.
- **Performance Physiology** – the primary aim is to provide a physiological framework for better understanding at postgraduate taught level of sports and exercise performance.

CAREER PROSPECTS

Possible future careers include:

- Study for a PhD (at Bangor University or elsewhere)
- Lecturer in Further or Higher Education
- Teacher
- Physiotherapy
- Research Assistant (universities and NHS)
- Laboratory Specialised Technician (e.g. sports clubs, hospitals)
- Police and Armed Services
- Social Care work
- Consultant

For further course details, please see:

www.bangor.ac.uk/sport/postgraduate-courses/sport-and-exercise-psychology-mres-pgcert

Sport and Exercise Science MRes/PgCert

COURSE DURATION

MSc: 1 year full-time, Part-time available.

ENTRY REQUIREMENTS

At least a 2.ii honours degree in a relevant subject (or equivalent).

Students with a degree from a different academic area may also be considered. Working professionals with non-graduate qualifications will be assessed on an individual basis. Please contact us.

EU and Overseas students, whose first language is not English, are required to take the standardised English Language test (IELTS). Students who achieve a score of 6.0 or above (no individual score below 5.5) are eligible for direct entry to the course

COURSE DESCRIPTION

This programme has been designed provide students with the opportunity to develop a critical understanding of the principles and application of research design and analytical methods relevant to the scientific study of the psychology of sport and exercise. The programme facilitates the integration of theory and professional practice, and throughout the programme the research process and emphasis on student autonomy of learning become increasingly important.

Compulsory modules:

- **Advance Research Skills** – to provide critical understanding of research design and data analysis. To prepare students to complete their Masters independent study or proposal modules, and their dissertation module.
- **Presentations in Statistics** – the purpose of the module is to provide students with an in-depth understanding and critical appreciation of statistical procedures.

- **Peer Reviewing Scientific** – the main purpose of the module is to provide students with an in-depth understanding and critical appreciation of publishing peer revised scientific papers
- **Research Project** – the aim of the Research Project is to enable students to synthesize knowledge and competencies gained during taught module aspects of the MSc courses to produce a scholarly and in-depth research study.

Optional modules include:

- **Performance Psychology** – 'Stress and Performance', 'Mental Toughness' and 'Group Dynamics', are the main theoretical areas that underpin this module. The aims of this module are to allow students to understand the theories related to these areas, and to apply sport psychology theory to real-life situations.
- **Exercise Psychology** – the aim of this module is to examine some of the major theoretical and practical issues in applied exercise psychology.
- **Performance Physiology** – the primary aim is to provide a physiological framework for better understanding at postgraduate taught level of sports and exercise performance.
- **Sports Injury Rehabilitation** – Provides a theoretical overview of rehabilitation. This will be done by considering a number of different injuries covering different tissues and body parts. Whilst the course will focus on the treatment of elite athletes, the principles studied can be applied at all levels.
- **Psychology of Injury and Rehabilitation** – the aim of this module is to enable students to: Develop a breadth and depth of knowledge and critical understanding of the models guiding inquiry into the prediction of sport injury from a psychosocial perspective and to develop an understanding of the theoretical perspectives of sports injury rehabilitation from a psychological standpoint. Students

will develop a sound understanding of the application of psychological interventions, within a rehabilitation setting; the journey of return to competition, and the reasons behind the failure of some athletes to rehabilitate.

- **Effective Coach Practice** – a problem-based learning approach will be used. Skills taught or practiced include: identifying and adopting strategies for best practice in coaching; integrating motor programming and skill acquisition theory and principle with coaching practice and recommending interventions to accelerate learning via effective manipulation of the coaching environment.
- **Psychology of Effective Coaching** – the coach athlete relationship is often a very complex relationship. Both the coach and the athlete want to achieve success but often have opposing views about how to get there. The module will focus on psychological and cognitive processes of the coach athlete relationship.

CAREER PROSPECTS

Possible future careers include:

- Study for a PhD (at Bangor University or elsewhere)
- Lecturer in Further or Higher Education
- Teacher
- Physiotherapy
- Research Assistant (universities and NHS)
- Laboratory Specialised Technician (e.g. sports clubs, hospitals)
- Police and Armed Services
- Social Care work
- Consultant

For further course details, please see:

www.bangor.ac.uk/sport/postgraduate-courses/sport-and-exercise-sciences-mres-pgcert

Sport, Health and Exercise Sciences PhD, MPhil

COURSE DURATION

PhD: 3 years full-time; MPhil: 1 year full-time

ENTRY REQUIREMENTS

Normally successful candidates will have a First Class Honours or Masters degree, or equivalent, in a related discipline. Candidates with an Upper Second Class honours degree, or equivalent, may be accepted if they can present evidence of their ability to study at this level.

COURSE DESCRIPTION

Sport, Health and Exercise Sciences, with research interests in:

Sport psychology/human performance:

- Stress and performance
- Application of social cognitive theories to sport and performance
- Mental imagery
- Self-talk
- Group dynamics
- Leadership
- Personality and emotion regulation
- Risk-taking
- The application of all of the above in business, military and other contexts

Exercise Psychology/health behaviours:

- Participation motivation
- Self-regulation
- Implicit processes

Exercise physiology:

- Clinical exercise physiology
- Performance physiology
- Muscle wasting in chronic disease
- Rehabilitation in chronic disease
- Fatigue
- Psychobiology of physical exertion
- Skeletal muscle function and biochemistry
- Cardio-vascular physiology
- Exercise and immune function; diet and exercise
- Hydration/dehydration and exercise
- Physiology of extreme environments

Motor Control and Learning:

- Visual control of movement
- Motor programming
- Attention
- Perception and action
- Feedback processing

For further course details, please see:

www.bangor.ac.uk/sport/postgraduate-courses/sport-health-and-exercise-sciences-phd-mphil

Biological Sciences

We offer a range of postgraduate courses and pride ourselves on our supportive and friendly atmosphere, the international standard of our research and the high quality of our teaching.

Staff and facilities

Some of our plant biology teaching and research is carried out in the Treborth Botanic Gardens situated along the Menai Strait which offers landscaped gardens, and a range of grassland and woodland habitats. We are unusual in boasting its own Natural History Museum with a large collection of vertebrate and invertebrate specimens and an extensive marine aquarium, and a new freshwater aquarium.

As a postgraduate you can study one-year taught Masters Degrees in Molecular Biology with Biotechnology and Wetland Science and Conservation. A one year MScRes degree, which differs from the taught Masters programmes by placing more emphasis on the research project, is available in Biological Sciences.

Overview of the academic areas

Research degrees are available in subjects covering the full spectrum of our research expertise, including aquatic ecology molecular ecology and evolution; wetland biogeochemistry and plant science; animal physiology, neurophysiology, behaviour and conservation; microbiology, parasitology and biotechnology.

We receive substantial financial support from the Research Councils, charities, government departments and British and overseas industry. Our diverse interests facilitate a wide exchange of interdisciplinary ideas and techniques and promote collaborations both within the University and with colleagues in institutions and industry.

Biological Sciences

English Language requirements

International applicants are normally required to provide evidence of English language proficiency. The minimum English requirements are:

- IELTS 6.0 (with no individual score lower than 5.5) or equivalent.

COURSE LIST:

MSc

- Molecular Biology with Biotechnology

MScRes

- Biological Sciences

PhD/MPhil

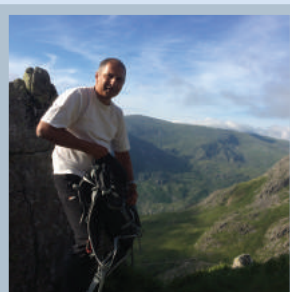
- Biological Sciences

TO FIND OUT MORE:

Tel: +44 (0) 1248 382527

E-mail: postgradenquiries@sbs.bangor.ac.uk

www.bangor.ac.uk/biology



STAFF PROFILE

Dr ANIL SHIRSAT

Senior Lecturer, Biological Sciences

Dr Shirsat is a plant molecular biologist who completed his first degree in Biological Sciences at the University of East Anglia in Norwich. After a brief interlude at Cardiff University Medical School, he went on to pursue a PhD in Plant Molecular Biology at Durham University – his PhD dissertation was on the cloning and analysis of seed storage protein genes.

His current research is mainly concerned with the role of the cell wall in plant defence – the wall is the first barrier which pathogens have to surmount and many defence pathways are initiated at the wall. In many cases, the composition of the wall alters in response to pathogen attack thereby creating a barrier to pathogen entry – he is investigating this using a transgenic approach. He is also interested in the public understanding of science and frequently gives lectures on different aspects of molecular biology. He is the organiser of the MSc in Molecular Biology with Biotechnology.



STAFF PROFILE

Dr NATHALIE FENNER

Lecturer, Biological Sciences

Dr Fenner is an aquatic ecologist and biogeochemist who completed a PhD on the effects of climate change on carbon exports and drinking water quality from upland catchments. Her postdoctoral positions and research lectureships further developed this, looking at drought effects and the potential for ecological and geoengineering to reduce carbon losses. Her current research is focussed on optimising drinking water treatment processes, using novel constructed wetland and impoundment systems to reduce eutrophication in industrial and rare habitat applications, biofuel production and biodiversity and carbon fluxes in mangrove ecosystems. She is currently the Director of Graduate Studies for Biological Sciences, leads an Aquatic Ecosystems research group and convenes modules on freshwater ecosystems, wetland ecosystem goods and services and a field trip to the mangroves of South West Florida (in collaboration with Florida Gulf Coast University). Her work has been published in *Nature*, *Nature Geoscience* and other leading journals.

COURSE DURATION

MSc: 1 year full-time.

ENTRY REQUIREMENTS

The normal requirement is for an applicant to have a good Honours degree in a Biological Science subject. Applications from mature students, without formal qualifications, but with relevant industrial, commercial, research or other experience will be considered. For English language requirements please see page 101.

COURSE DESCRIPTION

Topics covered include *Agrobacterium* Ti plasmid based plant transformation vectors and the development of transgenic crops; the analysis of DNA sequences via bioinformatic approaches; the use of DNA barcoding in fish; bioremediation, biomining and the use of bacteria to degrade novel organic pollutants and stem cell technologies and the diagnosis of genetic disease using single nucleotide polymorphisms. You will take part in laboratory exercises designed to introduce you to essential techniques in molecular biology and biotechnology. Most of the modules have an associated practical component. The Research project will be conducted under the direct supervision of staff.

Modules include:

• Techniques of Molecular Biology & Biotechnology

The course will start with training in methods designed to extract and analyse DNA and RNA, restriction enzyme mapping of plasmids, and the analysis of human DNA polymorphisms and DNA fingerprinting. Students will gain experience in using all the techniques and equipment used in a modern molecular biology laboratory – gel electrophoresis, PCR etc.

• Marine Biotechnology

Marine biotechnology has been, and continues to be, of prime importance to aquaculture worldwide. The current focus of the industry is now firmly based on modern technologies including novel drug discovery strategies for potentially important pharmaceutical compounds, as well as improving yield in aquaculture by maximising stock growth and health using molecular technologies.

• Environmental and Industrial Biotechnology

This deals with aspects of industrial microbial biotechnology including the use of microorganisms to tackle marine oil pollution and to degrade chlorinated organic pollutants; Metagenomics; Metal-microbe interactions; Biomining; Mineral bioprocessing and Bioremediation.

• Plant Biotechnology

This covers aspects of plant biotechnology including plant transformation, genetically modified crops and *Agrobacterium* biology including the construction of Ti plasmid vectors. The biology of transgenic tomatoes will be covered in detail as well as some examples of transgenic crops designed to impart health benefits. Modern methods of plant breeding including QTL analysis and marker assisted selection with respect to breeding for abiotic stress resistance are also covered.

• Bioinformatics Tools for Gene & Protein Analysis

The purpose of this module is to teach postgraduate research and master students how to utilise online bioinformatics tools to analyse (i) DNA & RNA, (ii) Genomes and (iii) Proteins. These skills are essential for the successful completion of modern research projects and provide postgraduate students with transferable employable skills. The teaching strategy uses problem-based-learning in combination with three workshops.

• Recombinant Protein Expression

In this module, strategies for the production of recombinant proteins in bacteria including plasmid expression vectors, the choice of promoters designed to drive expression, transformation and selection of recombinant bacteria, and the analysis of recombinant proteins on polyacrylamide gels will be studied.

• Environmental Genomics

This provides a consideration of the basic principles, recent advances and applications of genomics in environmental sciences including high throughput genomic technologies. In particular, it focuses on the advanced molecular analysis of biodiversity, in the context of natural resource management, sustainability and conservation.

• Project Preparation

This module enables you to acquire the specific scientific knowledge, practical skills and scientific writing abilities to prepare for a substantial hypotheses-based research project and final thesis production.

• Research Project

The project addresses a biological question or topic by practical experimentation in a laboratory setting. Experimental work will be conducted either as an individual or as a member of a small group researching related aspects of a single topic.

CAREER PROSPECTS

Most students go on to PhD studies as well as into employment – we have placed former students in Imperial College London, the Sainsbury Laboratory at the University of East Anglia, Reliance Industries in Mumbai, India, and Siemens Diagnostic Healthcare in the UK.

For further course details, please see:

www.bangor.ac.uk/go/pg/biologicalsciences or www.bangor.ac.uk/courses/postgraduate/molecular-biology-with-biotechnology-msc



Biological Sciences Masters by Research MScRes

COURSE DURATION

1 year full-time or pro-rata part-time.

ENTRY REQUIREMENTS

Entry requires a good first degree (2.ii or above) in a relevant biological subject from a university, or a similar qualification from any other institution. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted.

COURSE DESCRIPTION

The MScRes programmes are full-time 1 year degrees by research (also available on a part-time basis), which differ from traditional taught Masters courses in being research-based degrees and therefore placing emphasis on the research project. This degree will equip you with confidence and competence in the latest research skills and allow you to apply for further research training (PhD) programs or to directly apply for research positions in universities or research institutes.

MScRes: The MScRes is not credit-bearing and is examined through the dissertation alone, including a *viva voce* examination.

Because of the strong focus on the research project for this degree, we do require you to have arranged a mutually agreeable topic with a specific supervisor before you apply. There are a wide range of possible topics and further information on staff research interests can be found at: www.bangor.ac.uk/cns/research. You may also approach the Graduate School for further advice.

The first three months will be spent refining your project proposal and conducting a thorough Literature review. You will also present your proposal to the rest of the cohort and supervisors. Feedback obtained will enable you to improve the final project and thesis. You will also be expected to take advantage of the training programme provided by the College of Natural Sciences Graduate School and the University Doctoral School in both subject-specific and generic postgraduate-level skills.

RESEARCH LINKS/LINKS WITH INDUSTRY

Extensive national and international staff contacts mean that you are often able to carry out their research projects in association with commercial consultancies, local councils, environmental organisations (e.g. the Environment Agency, Countryside Council for Wales, RSPB, British Trust for Ornithology, many of whom have regional offices based in Bangor), and government research institutes (e.g. Centre for Ecology and Hydrology) in the UK, and abroad (past projects have involved fieldwork in the West Indies, Africa, Maldives, and various European countries).

CAREER PROSPECTS

As well as finding specific employment based on the specialist knowledge acquired during postgraduate training, your general employability will be enhanced by evidence of your ability to work independently, to think analytically and innovatively, and to conceptualise and question. During your studies, you will also have the chance to develop essential professional skills such as good communication, teamwork and leadership skills and enhance your practical experience. Our past graduates have gone on to careers in research (both in academia and research institutes) as well as in commercial environmental consultancies, DEFRA, water authorities, scientific publishing, landscape architects and many others.

For further course details, please see:
www.bangor.ac.uk/go/pg/biologicalsciences

Biological Sciences PhD/MPhil

COURSE DURATION

PhD: 3 years full-time; MPhil: 2 years full-time.

ENTRY REQUIREMENTS

Applicants should normally have an upper second class Honours degree in a Biological Science subject or equivalent. Applicants from overseas must, in addition, demonstrate competence in English to an acceptable level. See page 101 for details.

COURSE DESCRIPTION

The School supports a vigorous research base in a number of areas including aquatic ecology, animal behaviour, endocrinology, energetics and physiology, molecular ecology, fisheries genetics, microbial biodegradation and bioremediation, genomics of micro-organisms and plants, plant systems and technology, wetland biogeochemistry, and comparative neuroscience and development. Research degrees are available in subjects covering the full spectrum of our research expertise, and is supported by a range of national and international funding agencies and there are links with industrial and academic partners all over the world.

To obtain a **PhD**, which normally takes 3 years full-time, you are expected to conduct independent research that will make an original contribution to knowledge about that particular subject and present this in the form of a thesis. The **MPhil** usually takes 2 years full-time to complete, and also involves independent research and completion of a thesis but this may be extension of existing knowledge rather than an original contribution.

The first six months of your PhD or MPhil will be spent refining your project proposal and conducting a thorough literature review, which will contribute to your final thesis. You will also present your proposal to the rest of the cohort and supervisory staff. Feedback obtained will enable you to improve your final project. You will also be expected to take advantage of the training programme provided by the College Graduate School and the University Doctoral School in both subject-specific and generic postgraduate-level skills.

We receive substantial financial support from the Research Councils, charities, government departments and British and overseas industry. Our diverse interests facilitate a wide exchange of interdisciplinary ideas and techniques and promote collaborations both within the School and with colleagues in institutions and industry.

For further course details, please see:
www.bangor.ac.uk/go/pg/biologicalsciences

Forestry, Environmental Science, Geography and Ecology

Our international research focuses on forest ecology and management; environmental and soil science; agricultural systems; agroforestry; biodiversity conservation, tropical ecosystems and river catchments.

Our research reputation is evident in the number of research projects that we run; we currently have more than 60 students undertaking research for their PhDs. Their work is undertaken over a three-year period, and results in the production of a thesis and several scientific papers. This concentration of postgraduates concerned with environmental and resource management topics makes Bangor a considerable force in terms of global research. We attract visiting scholars from every corner of the globe, who in turn contribute to a lively and invigorating atmosphere.

Facilities

We boast a wide range of modern facilities including a dedicated Research Centre, a few miles outside the city, which is home to long-term experiments in forestry, agroforestry, climate change, crop breeding and ecology. We also host other major internationally and nationally recognised research centres such as the Centre for Evidence-Based Conservation, and the Centre for Integrated Research in the Rural Environment.

Our location provides unique opportunities for study in the disciplines we cover, particularly the natural environment, land use and conservation. Snowdonia National Park is less than 20 minutes away and this provides a 'living laboratory' for much of our teaching and research.

Overview of academic areas

We offer a wide range of degree programmes including Masters programmes in Agroforestry; Conservation and Land Management; Environmental Forestry. We also offer taught postgraduate distance-learning programmes in forestry and food security. Research degrees are offered in a wide range of environmental subjects.

Many of our programmes are professionally accredited, including our forestry-related programmes which are accredited by the Institute of Chartered Foresters (ICF) and our Environmental programmes, which are accredited by the Institution of Environmental Sciences. The Environmental Management course is also accredited by the Institute of Environmental Management and Assessment (IEMA) and some individual modules even give associate membership of the Institute.

The types of research undertaken vary widely across the environment and land use spectrum. Much of our research is undertaken overseas and we have projects in countries as far apart as Vietnam, Ethiopia and Peru.

Some examples of our current projects include:

- Antarctic ecosystems – partitioning of resources between plants and microbes
- Greenhouse gas emissions from lowland peat soils
- Sustaining and restoring biocultural diversity of indigenous sacred sites in Ethiopia
- Conservation and management of natural resources under the challenges of a changing climate in Bangladesh.

English Language Requirements

International applicants are normally required to provide evidence of English language proficiency. The minimum English requirements for full-time, on-campus students are:

- IELTS 6.0 (with no individual score lower than 5.5) or equivalent.

For PhD/MPhil courses:

- IELTS 6.5 (with no individual score lower than 6.0).

For MSc Distance Learning:

- IELTS 6.5 (with no individual score lower than 6.0).

COURSE LIST:

MSc

- Agroforestry
- Conservation and Land Management
- Environmental and Business Management
- Environmental Forestry
- Forestry and Environmental Management

MRes/MScRes

- Environmental Science
- Agriculture and Environment (Distance-Learning)

MSc by Distance-Learning

- Forestry
- Tropical Forestry
- Food Security in the Changing Environment

MA/MSc

- Rheolaeth Amgylcheddol Gynaliadwy / Welsh-Medium Sustainable Environmental Management[#]

MBA

- Environmental Management

PhD/MPhil/MScRes

- Agriculture and Crop & Soil Science
- Agroforestry
- Conservation
- Soil & Environmental Science
- Forestry
- Renewable Materials
- Geography
- Biocomposites

Prof Doc

- DAgEnv Doctor of Agriculture and Environment (Distance-Learning)

* see website for details

[#] gweler y manylion yn y prosepctws Cymraeg / see the Welsh-medium prospectus for details.

TO FIND OUT MORE:

Tel: +44 (0) 1248 382281
E-mail: senrgy@bangor.ac.uk
www.bangor.ac.uk/senrgy



STAFF PROFILE

Professor MORAG McDONALD, Professor of Ecology & Catchment Management

Morag McDonald completed her undergraduate degree in Agricultural and Environmental Sciences at Newcastle University, followed by a Ph.D. in Forestry from Edinburgh University. She subsequently worked for BBC Scotland as a researcher and radio producer in their farming and environmental unit, before taking up post-doctoral work at the University of British Columbia in Vancouver, Canada.

She now holds a personal chair in ecology and catchment management at Bangor University. She has been an active researcher in international environmental issues for over 20 years, with broad research expertise in soil conservation and fertility; impacts of anthropogenic and natural disturbance on forest ecosystems; tropical forest regeneration; agroforestry systems, water regulating ecosystem services and forest restoration through fallow management.

She has field experience in 14 countries. She is a founder and consortium member of the global PhD programme in Forest and Nature for Society (FONASO). She is an Associate of the Institute of Environmental Management and Assessment; a Senior Fellow of the Higher Education Academy and a Fellow of the Royal Geographical Society.

Agroforestry MSc

COURSE DURATION

MSc: 1 year full-time;
Diploma: 30 weeks full-time.

ENTRY REQUIREMENTS

A good first degree in a relevant subject, e.g. Agriculture, Forestry, Environmental Sciences, Ecology, Conservation Sciences, Sustainable Development, Geography or Biological Sciences. Alternatively, a first degree in an unrelated subject plus relevant practical experience may be accepted. Applicants are judged on their individual merits, work experience and other factors are also considered.

COURSE DESCRIPTION

The course equips you to deal with the principal forces driving change in farming and forestry, from thinking globally about issues like climate change, food security and carbon trading to dealing with practical issues of how to manage trees on farms at a local level. The course has an international focus and the University has specific links with agroforestry organisations in Africa, Asia, Europe and the Americas.

The taught part of the course provides an opportunity to examine a broad range of topics in detail and develop personal skills and expertise. A range of assessment methods are used including reports, presentations, practical write-ups and online and written exams.

June to September is set aside for production of a dissertation on a research topic selected by you in consultation with your academic supervisor. Dissertations can have a temperate or tropical focus, and can include field work either locally, elsewhere in the UK, or overseas.

Modules include:

• Agroforestry Systems and Practice

This module explores agroforestry practices worldwide and introduces the concepts behind this land use system. The module explores ecological and biophysical interactions in agroforestry systems, and considers the range of social, economic and ecosystem benefits they deliver.

• Agriculture and the Environment

This module reviews the impact of agricultural systems and practices on the environment and the scientific principles involved.

• Natural Resource Development

This module aims to provide students with the skills required to design and plan Agroforestry-based Natural Resource Management interventions that meet the objectives of a range of stakeholders and to manage the trade-offs between these.

• Natural Resource Management

This module gives you a theoretical understanding of the systems approach to managing natural resources, as well as a practical grounding in the ways in which natural resource managers can draw on different kinds of knowledge sources.

• Research Planning and Communication

This module seeks to develop students' understanding of the role of science and the scientific process in formulating and addressing context relevant questions, and communicating scientific output to different audiences.

• Study Tour

This module gives you the opportunity to see how the principles of natural resource management that are discussed in earlier parts of your course are put into practice.

RESEARCH LINKS/LINKS WITH INDUSTRY

Bangor has been recognised internationally as a centre for Agroforestry research for many years and the University has ongoing and productive links with agroforestry organisations in Africa, Asia, Europe and the Americas. Many students choose to conduct their dissertation work in collaboration with the World Agroforestry Centre (ICRAF) based in Nairobi. This degree is accredited by the UK Institute of Chartered Foresters (ICF) and qualifies students for associate membership.

CAREER PROSPECTS

Agroforester is not a job description that many people would give themselves, however graduates from this course have progressed on to relevant employment in public sector organisations, NGOs and academic institutions both in the EU and overseas. This MSc course has also formed a stepping stone in postgraduate research and has produced high calibre research scientists in the fields of tree biology, agroforestry science, and natural resource management.

Conservation and Land Management MSc

COURSE DURATION

MSc: 1 year full-time;
Diploma: 30 weeks full-time.

ENTRY REQUIREMENTS

Entry to this course requires at least a second-class degree in a relevant subject e.g. agriculture, environmental studies, geography, sustainable development, economics, law, biological sciences, social sciences and psychology. Applications from mature applicants, who have relevant experience in agriculture, forestry, conservation or land use, are actively encouraged. Applications from people with other backgrounds are welcomed and will be considered on an individual basis.

COURSE DESCRIPTION

This course is intended for students with a strong interest in the environment and who want to increase their knowledge of conservation issues. The course addresses issues concerned with sustainable use of the countryside. It examines habitats, wildlife and landscapes and the natural and human factors influencing them. The course also examines how economic activities such as farming and forestry can be managed in an environmentally acceptable way, and how human enjoyment of the countryside can be incorporated within an integrated land use approach.

The taught part of the course provides an opportunity to examine a broad range of topics in detail and develop personal skills and expertise. A range of assessment methods are used including reports, presentations, practical write-ups and online and written exams. June to September is set aside for production of a dissertation on a research topic selected by you in consultation with your academic supervisor.

Modules include:

• Conservation Science

This module reviews the key concepts, which underpin the conservation and management of single species populations, habitats and nature reserves.

• Botanical Ecology and Ecosystem Services

This module explores the current conservation status of insect pollinators and their corresponding plant groups.

• Agriculture and the Environment

This module reviews the impact of agricultural systems and practices on the environment and the scientific principles involved.

• Management Planning

This module allows you to apply knowledge gained in other modules to write a Conservation Management System (CMS) 'minimum contents' management plan for a Site of Special Scientific Interest.

• Natural Resource Management

This module gives students a theoretical understanding of the systems approach to managing natural resources to provide various ecosystem services, as well as a practical grounding in the ways in which natural resource managers can draw on a variety of knowledge sources to inform themselves and others of the impacts of land management interventions.

• Research Planning and Communication

This module will develop your understanding of the role of science and the scientific process in formulating and addressing context relevant questions, and communicating scientific output to different audiences. During the course of the module, students will devise, conduct and write up a policy-relevant scientific study.

• Field Visit

The main purpose of the trip will be to appreciate the range of activities different conservation organisations are undertaking, to understand their different management objectives and constraints. Previous field trips have visited farms, forests and reserves run by Scottish Wildlife Trust, National Trust, RSPB, local authorities, community groups and private individuals.

RESEARCH LINKS/LINKS WITH INDUSTRY

This MSc course has strong research links with many conservation organisations locally, nationally and internationally e.g. Natural Resources Wales, Environment Agency, The Royal Society for the Protection of Birds (RSPB), Coed Cymru, local farmers and food industries.

CAREER PROSPECTS

Graduates have gained employment with conservation agencies, NGOs and government organisations and with academic institutions both in the EU and overseas. This MSc course has also produced high calibre scientists in the fields of climate change, sustainable agriculture, renewable energy and animal diseases and human health.

For further course details, please see:
www.bangor.ac.uk/go/pg/senrgy

Environmental Forestry MSc

COURSE DURATION:

MSc: 1 year full-time;
Diploma: 30 weeks full-time

ENTRY REQUIREMENTS

A good first degree in a relevant subject, e.g. Forestry, Environmental Sciences, Ecology, Conservation Sciences, Sustainable Development, Geography or Biological Sciences. Alternatively, a first degree in an unrelated subject plus relevant practical experience may be accepted. Applicants are judged on their individual merits and age, work experience and other factors are also considered.

COURSE DESCRIPTION

This one-year course will develop your understanding of forest ecosystems and their role in the global environment, and of the goods and services that forests can provide. The course can have a temperate or tropical focus, depending on optional elements chosen.

The taught part of the course provides an opportunity to examine a broad range of topics in detail and develop personal skills and expertise. A range of assessment methods are used including reports, presentations, practical write-ups and online and written exams.

June to September is set aside for production of a dissertation on a research topic selected by you in consultation with your academic supervisor. Dissertations can have a temperate or tropical focus, and can include field work either locally, elsewhere in the UK, or overseas.

Modules include:

• Forest Resources & Assessment

This module provides an overview of the status of world forests, trends and causes of deforestation and degradation, consequences for ecosystem services, and policy responses.

• Silviculture

This module develops your understanding of the silviculture of single trees and trees in complex systems. This module focuses the interaction of tree management systems with the physical environment (soils, climate etc.), with human beings and with the range of products derived from these systems.

• Natural Resource Management

This module gives you a theoretical understanding of the systems approach to managing natural resources, as well as a practical grounding in the ways in which natural resource managers can draw on different kinds of knowledge sources.

• Forest Management Planning

This module develops an understanding of the management planning process, and its use in the sustainable management of rural resources. You develop management plans for real-world forestry situations which involves setting management objectives, considering landscape features, devising appropriate monitoring and evaluation techniques and quantifying the costs of management operations.

• Research Planning and Communication

This module seeks to develop students' understanding of the role of science and the scientific process in formulating and

addressing context relevant questions, and communicating scientific output to different audiences.

• Study Tour

This module gives you the opportunity to see how the principles of forest management that are discussed in earlier parts of your course are put into practice.

RESEARCH LINKS/LINKS WITH INDUSTRY

Bangor has been recognised internationally as a centre for Forestry research for many years and the University has ongoing and productive links with a diverse range of organisations in Africa, Asia, Europe and the Americas. This degree is accredited by the UK Institute of Chartered Foresters (ICF) and qualifies students for associate membership.

CAREER PROSPECTS

Against a sometimes gloomy economic backdrop, natural resource management, and forest management in particular, is becoming more important, with the result that there is a generally acknowledged skills shortage in the forestry profession. The speed with which our graduates gain employment reflects this. Graduates from this course have progressed on to relevant employment in public sector organisations, NGOs and academic institutions both in the EU and overseas. This MSc course has also formed a stepping stone in postgraduate research and has produced high calibre research scientists in the fields of tree biology, forest science, and natural resource management.

For further course details, please see:

www.bangor.ac.uk/go/pg/senrgy

Forestry and Environmental Management MSc (TRANSFOR-M)

COURSE DURATION

2 years

ENTRY REQUIREMENTS

Students apply to one of the consortium universities and must be selected by both it and a partner university. UK residents must choose Bangor as their home university. Selection will favour students with strong academic records, experience, and credentials that indicate serious interest in international work.

COURSE DESCRIPTION

TRANSFOR-M (Transatlantic Forestry Masters) is a two-year taught Masters programme leading to a European degree and a Canadian degree (i.e. a dual degree) in forestry and environmental management. The programme is offered by a consortium of six universities, three in Canada and three in the European Union. Students acquire a global view of modern sustainable forestry and environmental management, and multi-cultural perspectives on environmental, economic and social issues. Bangor-based TRANSFOR-M students typically spend their first year at a Canadian university and their second year at Bangor University, where they complete a dissertation that is jointly supervised by the two institutions. They pay Bangor University tuition fees in both years.

The partners in the TRANSFOR-M

consortium are:

- Albert-Ludwigs-University, Freiburg, Germany
- Bangor University, Wales, UK
- University of Eastern Finland, Finland
- University of New Brunswick, Canada
- University of Alberta, Canada
- University of British Columbia, Canada

Bangor University degrees available under TRANSFOR-M are:

- MSc Agroforestry
- MSc Conservation and Land Management
- MSc Environmental Forestry

Canadian degrees available under

TRANSFOR-M are:

- Master of Environmental Management (University of New Brunswick)
- MSc Forestry (University of New Brunswick)
- MSc Forest Engineering (University of New Brunswick)
- MSc (University of Alberta)
- Master of Forestry, MF (University of Alberta)
- Master of Forestry, MF (University of British Columbia)

RESEARCH LINKS/LINKS WITH INDUSTRY

Bangor has been recognised internationally as a centre for Forestry research for many years and the University has ongoing and productive links with a diverse range of organisations in Africa, Asia, Europe and the Americas.

CAREER PROSPECTS

Several recent graduates from the TRANSFOR-M programme have gone on to study for a research degree, while others have taken up professional positions in forestry and conservation, often in the partner country (i.e. EU graduates are now working in Canada, and Canadian graduates are working in different EU countries).

For further course details, please see:

www.bangor.ac.uk/courses/pg/senrgy

Forestry MSc (Distance-Learning)

COURSE DURATION

MSc: 3 years part-time; PG Dip: 2 years part-time;
PG Cert: 1 year part-time.

ENTRY REQUIREMENTS

Generally an Honours Degree in a relevant science or technology subject is required, such as biology, horticulture, agriculture, law, economics, engineering, environmental science. Applications from mature students who do not have higher education qualifications but have relevant work experience will be considered.

COURSE DESCRIPTION

This course is designed to provide you with training in the management of forest resources, understanding of the scientific, academic and practical principles which underpin forest management, and forest ecosystem function and the interrelationships between government, industry and communities' forests and associated land-use.

Students can choose to specialise in one of two distinct degree 'streams'. The **Ecology and Management** stream is designed for those with a stronger interest in ecology and science (including maths) whereas the **Trees, Forests and People** stream will appeal to those applicants with a thirst to learn more about the interrelationships between forests and society.

Modules (see website for which modules you will study under which stream):

• Silviculture

The module considers the principles of silviculture, including species selection according to site conditions, artificial and natural regeneration of woodlands and interventions.

• Forestry Study Tour

A week-long study tour of field sites usually in England and/or Wales.

• Natural Resource Management

Gives a theoretical understanding of the systems approach to managing natural resources.

• Forest Management Planning

Gives students an understanding of the forest management planning process, and its use in the sustainable management of rural resources.

• Forest Inventory, Assessment and Monitoring

Considers ways in which forest resources can be assessed, measured and recorded for their growth and development to be monitored.

• Forest Ecosystems

Explores the occurrence and ecology of different forest types. Emphasis will be placed on forest biota and soils, and nutrient cycling and hydrology.

• Social Issues in Forest Management

How social, cultural, political and economic factors influence the shape and scope of forest management systems and how these impact on the livelihoods and wellbeing of people around the world.

• Sustainable Use of Non-Timber Forest Products

How forests may be managed in ways which recognise the value and enterprise development potential of non-timber forest products (NTFP's).

• Forest History, Policy and Management

Explores how the needs and values of society in relation to woodlands and forests change over time and how these changes influence their structure, management and composition.

• Agroforestry Systems and Practice

Will give you an in-depth understanding of the interface between forestry and agriculture.

WORK-PLACEMENTS/LINKS WITH INDUSTRY

The course is closely linked with all aspects of the forest industry, both in the UK and beyond. Students are encouraged to seek opportunities and make their own links that relate to their own area of interest and expertise and are supported in this process. Students on the course receive regular updates regarding the latest news, jobs, placements and other opportunities in the forestry sector.

CAREER PROSPECTS

Current students and recent graduates have secured jobs as commercial forest managers, forest surveyors, ecological consultants, forestry finance advisors and business start-ups. Career prospects also include promotion for those already in the forestry or related professions.

The course opens up numerous opportunities for study, travel, scholarship and research and students are encouraged to take advantage of these.

For further course details, please see:

www.bangor.ac.uk/go/pg/senrgy

Tropical Forestry MSc (Distance-Learning)

COURSE DURATION

MSc: 3 years part-time; PG Dip: 2 years part-time; PG Cert: 1 year part-time.

ENTRY REQUIREMENTS

Honours Degree in a relevant science or technology subject is required, such as forestry, biology, ecology, law, economics, environmental science, development studies. Applications from mature students without higher education qualifications but who have relevant work experience will be considered on an individual basis.

COURSE DESCRIPTION

This course is designed to provide students with training in the subject of tropical forestry, understanding of the scientific, academic and practical principles which underpin forest conservation, protection and management and forest ecosystem function and the inter-relationships between government, industry and communities' forests and associated land-use. The wide range of backgrounds, expertise, interests and skills amongst both the staff and students on the programme make for a hugely enriching learning experience.

Compulsory Modules:

• Silviculture

This module considers the principles of silviculture, including species selection according to site conditions, artificial and natural regeneration of woodlands and interventions. The module also includes the management of mixed forest stands and the silviculture of forests in transition (transformation, conversion).

• Social Issues in Forest Management

This module considers the ways in which social, cultural, political and economic factors influence the shape and scope of forest management systems and how these impact on the livelihoods and wellbeing of people around the world.

• Sustainable Use of Non-Timber Forest Products

This module gives students an understanding of the ways in which forests may be managed to recognise the value and enterprise development potential of non-timber forest products (NTFP's).

• Agroforestry Systems and Practice

This module is designed to give students an in-depth understanding of the fascinating interface between forestry and agriculture. The module is global in scope and considers the scientific principles and practice of agroforestry in both temperate and tropical regions.

• Forest Inventory, Assessment and Monitoring

This module examines the ways in which forest resources can be assessed and recorded for their growth and development to be monitored. It will provide students with the opportunity to acquire knowledge and understanding of the specialist areas of mensuration, forest inventory and forest resource monitoring.

• Tropical Forestry Study Tour

This is a two week residential study tour to a country with notable tropical forest resources. You will meet and discuss with research scientists, practicing foresters and land managers in conservation organisations, research institutes and public agencies.

WORK-PLACEMENTS/LINKS WITH INDUSTRY

The course is closely linked with all aspects of the forest industry, both in the UK and beyond. Students are encouraged to seek opportunities and make their own links that relate to their own area of interest and expertise and are supported in this process. Students on the course receive regular updates regarding the latest news, jobs, placements and other opportunities in the forestry sector.

CAREER PROSPECTS

The part-time nature of this course enables students to build their career alongside other work or personal commitments. There are excellent employment opportunities in the broad area of tropical forestry including national government, international organisations and consultancies. Many recent graduates on related courses have gone on to do PhD research. The course opens up numerous opportunities for study, travel, scholarship and research and students are encouraged to take advantage of these.

For further course details, please see:

www.bangor.ac.uk/go/pg/senrgy

Food Security in the Changing Environment MSc

Distance Learning and Continuing Professional Development (CPD)

COURSE DURATION:

1 year (PG Cert); 2 years (PG Dip); 3 years part-time or 5 years part-time (MSc). Modules can be taken on a stand alone basis. There are 3 entry points per year: September, January and May.

ENTRY REQUIREMENTS

First or second class honours degree in a relevant subject, such as Biological Sciences, Environmental Sciences or Agriculture. A lesser degree plus a minimum of two years relevant work experience would be considered, as would mature students without a degree but with at least two years relevant work experience in a position of demonstrable responsibility.

COURSE DESCRIPTION

This course will provide students with a detailed understanding of the principles and processes of sustainable food production, including social and environmental contexts. It will equip students to implement the latest research into sustainable systems thinking. Professionals in the agri-food industry, conservation and environment, farmers, and agricultural policy decision makers may be interested in the modules of this degree, as will full-time students wishing to pursue a post graduate degree that culminates in employability in these sectors.

Students can study up to 6 modules per year, depending on their status as part time or full time students. For the Masters degree, students must complete a total of 6 modules of study plus a dissertation project.

Teaching and learning is supported by study guides with journal articles, online lectures, podcasts, and discussion forums. The wide range of backgrounds and expertise of staff and students make a hugely enriching learning experience. With students registered from over 20 different countries, this is a truly international course.

Compulsory Modules:

• Agriculture and Society

This module will study the environmental, economic and social implications of agriculture from an ethical perspective.

• Global Food Security

This module takes a global perspective on food systems and their role in providing food security.

• Climate Change

This module provides a detailed assessment of current knowledge on climate change – science, impacts, adaptation and mitigation, and how it is perceived by the public.

• Research Methods

This module provides the tools needed for the dissertation: research design, literature review, ethical considerations, statistics, and preparing a research proposal.

Optional Modules include:

• Upland Farming Systems

This module will examine the environmental, economic and social viability of alternative upland farming systems.

• Carbon Footprinting & Life Cycle Assessment

This module will consider in detail the principles and practices of life cycle assessment and carbon footprinting, in relation to eco-efficiency assessment and improvement of pasture based farming systems.

• Soil Management

This module will provide a practical and theoretical overview of soil management.

• Resource Efficient Farming

This module will apply a systems approach to quantitatively evaluate farm management practices.

• Agro-Ecosystem Services

This module examines trade-offs and complementarities between food production and delivery of other ecosystem services.

CAREER PROSPECTS

This course will retrain professionals to redirect or enhance their existing capabilities for a career in the agricultural or agribusiness sectors. Graduates can find careers in advisory and policy/advocacy roles, executive management, agriculture and agribusiness consultancy, the agricultural finance sector, land and catchment management agency roles, natural resource management, agricultural education and training and as rural consultants.

For further course details, please see:

www.bangor.ac.uk/go/pg/senrgy

Environmental and Business Management MSc

IEMA Accredited for Membership

COURSE DURATION

1 year full-time.

ENTRY REQUIREMENTS

At least a 2.ii degree in a relevant subject, e.g. Environmental Science or Business Studies from a university, or a similar qualification from any other institution is normally required. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted.

COURSE DESCRIPTION

This course is intended for students with a keen interest in integrating environmental management with business practices.

This course will take an integrated view of environmental management within a business context and will provide the specialist interdisciplinary training that is required to fully integrate sustainable development objectives into businesses management. By integrating modules from Bangor Business School and the School of Natural Sciences it will train students to be sophisticated environmental managers who can interpret legislative and audit requirements and deliver them in a manner conducive to continued economic development.

Part One (taught)

• Organisations and People

To provide an integrated analysis of management, organisations and people, developing the conceptual, strategic and practical skills necessary for managers in complex, global organisational contexts.

• Strategic Management

This module introduces the language of strategic management and explores the link between strategic and operational management.

• Finance for Managers

This module is designed for those who aim to achieve a basic understanding of financial management and control, and who require an understanding of finance in order to manage an organisation effectively.

• Business Management for the Green Economy

This module explores the process of establishing a venture from idea generation to the completion of a business plan which incorporates environmental planning and management.

• Research Planning and Communication

This module introduces the key component needed for successful project completion and explores different ways of communicating results to a range of key stakeholders.

• Strategic Environmental Management

This module is designed to provide an understanding of the principles of sustainable development, environmental legislation, environmental auditing and assessment, and green technological development.

• Green Technology

This module reviews the environmental consequences of economic activities, including energy generation, waste management, food and water supply, consumer goods.

CAREER PROSPECTS

Graduates have gained employment in private and public sector organisations, NGOs and academic institutions both in the EU and overseas, as well as becoming self-employed consultants in Environmental and Business Management.

For further course detail, please see:

www.bangor.ac.uk/go/pg/senrgy

Agriculture and Environment MRes (Distance-Learning)

COURSE DURATION:

Part-time: 1 year (PG Cert); up to 3 years (MRes).
Full-time: 6 months (PG Cert); up to 1 year (MRes).

ENTRY REQUIREMENTS

First or second class honours degree in a relevant subject, such as Biological Sciences, Environmental Sciences or Agriculture. A lesser degree plus a minimum of two years relevant work experience would be considered, as would mature students without a degree but with at least two years relevant work experience in a position of demonstrable responsibility.

COURSE DESCRIPTION

The main aim of the MRes is to strengthen specialist scientific skills in strategically important areas of the UK agri-food industry, through flexible, postgraduate training for people in work. It provides an innovative way for people in work to improve their research skills while supporting the innovation capabilities of the candidate's company.

The course is aimed at professionals in the agri-food industry, conservation and environment, farmers, and agricultural policy decision makers, as well as full-time students wishing to pursue a post-graduate degree that culminates in employability in these sectors.

Students must complete a total of 3 modules of study plus a dissertation project. They may begin at the beginning of any module: at the end of September, the end of January or in mid May. Teaching and learning is supported by study guides with journal articles, online lectures, podcasts, and discussion forums. The wide range of backgrounds and expertise of staff and students make a hugely enriching learning experience.

Compulsory Modules:

• Research Methods

This provides the tools needed for the dissertation: research design, literature review, ethical considerations, statistics, and preparing a research proposal. A 'knowledge bank' of ideas, questions and solutions from current and previous students is provided on-line.

• Research project

This involves producing either a portfolio of work or a thesis. The principal supervisor will be a Bangor academic, but we welcome input from the student's employer.

Optional Modules include:

- Agriculture and Society
- Global Food Security
- Climate Change
- Upland Farming Systems
- Carbon Foot-printing & Life Cycle Assessment
- Soil Management

CAREER PROSPECTS

This course will retrain professionals to redirect or enhance their capabilities in advisory and policy/advocacy roles, executive management, agriculture and agribusiness consultancy, the agricultural finance sector, land and catchment management agency roles, natural resource management, agricultural education and training and as rural consultants. Full-time students will be well-placed for a career in any of these areas.

For further course details, please see:

www.bangor.ac.uk/go/pg/senrgy

Doctor of Agriculture and Environment DAgEnv (Distance-Learning)

COURSE DURATION:

Part-time: 6 years; full-time: 3 years.

ENTRY REQUIREMENTS

First or second class honours degree in a relevant subject, such as Biological Sciences, Environmental Sciences or Agriculture. A lesser degree plus a minimum of two years relevant work experience would be considered, as would mature students without a degree but with at least two years relevant work experience in a position of demonstrable responsibility.

COURSE DESCRIPTION

The main aim of the DAgEnv is to strengthen specialist scientific skills in strategically important areas, through flexible, postgraduate training for people in work. It provides an innovative way for people in work to improve their research skills while supporting the innovation capabilities of the candidate's company.

The course is aimed at professionals in the agri-food industry, conservation and environment, and agricultural policy decision makers, as well as full-time students wishing to pursue a post-graduate degree that culminates in employability in these sectors.

The program aims to equip candidates with the necessary skills and knowledge: to create and interpret new knowledge through original research; to be able to apply new knowledge in an industrial context; to conceptualize, design and implement an advanced R&D project; to publish and communicate research outcomes in peer reviewed academic and technical journals and at academic and technical conferences; to make informed judgements on complex issues in the chosen specialist field; and to be able to act independently to undertake applied research and in solving complex problems.

The course is in two parts. **Part 1** comprises one compulsory (core) and two optional modules, plus a preliminary research project to produce a dissertation of 20-40,000 words. This can be based upon the analysis of existing data from the candidate's workplace.

• Research Methods Module (Core)

This provides the tools needed for the dissertation: research design, literature review, ethical considerations, statistics, and preparing a research proposal. A 'knowledge bank' of ideas, questions and solutions from current and previous students is provided on-line.

Optional Modules include:

- Agriculture and Society
- Global Food Security
- Climate Change
- Upland Farming Systems
- Carbon Footprinting & Life Cycle Assessment
- Soil Management

Part 2 comprises a longer research thesis (up to 60,000 – 80,000 words). It will involve the collection of research data and must embody the methodology and results of original research. For students in work it should be linked to the research needs of their employer and may build upon, but be substantially different to, work conducted for Part 1. The principal supervisor will be a Bangor academic, but we encourage participation by the candidate's employer.

CAREER PROSPECTS

Students are likely already employed in, for example, advisory and policy/advocacy roles, executive management, agriculture and agribusiness consultancy, the agricultural finance sector, land and catchment management agencies, natural resource management, agricultural education and training or as rural consultants. The programme prepares you for more senior roles in R&D and other technical positions in these industries where advanced science training is important.

For further course details, please see:

www.bangor.ac.uk/go/pg/senrgy

COURSE DURATION

MBA: 1 year full-time; 2.5 years part-time.

ENTRY REQUIREMENTS

A good undergraduate degree in a relevant subject, e.g. Environmental Science or Business Studies from a university, or a similar qualification from any other institution is required. Alternatively, possession of a suitable professional qualification and relevant practical experience may also be accepted. In general, however, applicants are judged on their individual merits, work experience and other factors are also considered. Whilst work experience is desirable, it is not essential.

COURSE DESCRIPTION

The role of the corporate environmental manager is becoming increasingly complex and strategic. Corporate social and environmental responsibility is becoming prominent in consumer demand and a pre-requisite for tender eligibility. This necessitates a more sophisticated environmental manager who can interpret legislative and audit requirements and deliver them in a manner conducive to continued economic development, whilst recognising the market trends.

The aim of this course is to develop skills in the delivery of economic activities related to the environment, green technology and sustainability. The course includes case studies from across these sectors reflecting changing strategies and alternative approaches. The course is suitable for graduates in a wide range of disciplines, including Environment, Engineering, Finance, Social Sciences and other subjects.

Compulsory Modules:

• Organisations and People

This module examines key issues arising from contemporary research in organisational behaviour (OB) and human resource management (HRM).

• Strategic Management

This module analyses strategic decision-making within business. You will develop a critical understanding of the strategic processes of business management, and the interconnections with the functional domains.

• Management Research

This module analyses the philosophical basis for research in the management sciences, and examines a number of key methodological issues and approaches.

• Business Planning for the Green Economy

This module explores the process of establishing a venture from idea generation to the completion of a business plan which incorporates environmental planning and management.

• Finance for Managers

This module is designed for those who aim to achieve a basic understanding of financial management and control, and who require an understanding of finance in order to manage an organisation effectively.

• Strategic Environmental Management

This module is designed to provide an understanding of the principles of sustainable development, environmental legislation,

environmental auditing and assessment, and green technological development. Students completing this module successfully will be automatically be eligible for Associate membership of IEMA.

• Green Technology

This module reviews the environmental consequences of economic activities, including energy generation, waste management, food and water supply and consumer goods.

CAREER PROSPECTS

There are an increasing number of roles in Environmental Management and Consultancy available. An Environmental Manager is responsible for overseeing the environmental performance of private, public and voluntary sector organisations. They also develop, implement and monitor environmental strategies, policies and programmes that promote sustainable development. There are also many other roles in commercial and public sector organisations carrying out impact assessments to identify, assess and reduce an organisation's environmental risks and financial costs and coordinating all aspects of pollution control, waste management, recycling, environmental health, conservation and renewable energy. Other opportunities lie in environmental education, training and research.

For further course details, please see:

www.bangor.ac.uk/go/pg/senrgy

PhD/MPhil/MScRes Courses

COURSE DURATION

PhD: 3 years full-time or 6 years part-time; MPhil: 2 years full-time or 4 years part-time; MScRes: 1 year full time or 2 years part-time.

ENTRY REQUIREMENTS

A good first degree or MSc in a relevant subject required. For English language requirements, see page 79.

COURSE DESCRIPTIONS

Agriculture (PhD/MPhil) and Crop & Soil Science (PhD/MPhil)

Research into agricultural systems and practices ranging from the science of plant and animal production to rural policy and decision-making; with a focus on alternative crops, food and nutrition, farmer health, local knowledge and rural development.

Agroforestry (PhD/MPhil)

Research on the interactions of people, agriculture and trees at a range of scales from ecophysiological interactions among system components through to landscape level effects, across both temperate and tropical environments, with a focus on multipurpose tree species and farm trees.

Conservation (PhD/MPhil)

Conservation is studied from the genetic to global scales, with a strong emphasis on conservation of endangered species, evidence based conservation, social and economic impacts of conservation, ecosystem services and conservation policy.

Soil & Environmental Science (PhD/MPhil) and Environmental Science (PhD/MPhil)

Multidisciplinary research into fundamental processes is aimed at the creation of sustainable rural, peri-urban and urban environments; with a major focus on climate change, biogeochemistry, plant ecophysiology, waste management and restoration.

Forestry (PhD/MPhil)

Research covers the environmental, economic and social factors underpinning sustainability in forest systems, studying processes ranging from individual ecological interactions to those acting at a landscape level.

Renewable Materials (PhD/MPhil) and Wood Science (PhD/MPhil)

Research is concentrated on the fundamental science of wood and plant fibres, natural fibre reinforced composites, and the use of plant-derived materials as chemical feedstocks; particular attention is paid to environmental impacts.

Geography (PhD/MPhil)

Research is focused upon physical and human environments at a range of spatial and temporal scales, particularly fluvial geomorphology, links between climate change and human activities in riverine landscapes, pollution in river catchments and the application of geochemical techniques, rural geographies, urban spaces and social economies.

Environmental Sciences (MScRes)

A one year masters by research in any of the subject areas above. Applicants should identify potential supervisors and contact them to discuss suitable research topics.

STUDY OVERSEAS

In addition to the fully residential mode of study, in some circumstances we may offer 'split' PhD/MPhil programmes for international students with part of the study taking place in the student's own country or a third country. Many of our British and other European students also carry out fieldwork overseas for their research.

FUNDING

Funding may be available from the following sources: UK Research Councils (scholarships are advertised, UK students only); Postgraduate Loans (Wales, England & N. Ireland); Commonwealth Scholarships Commission; Foreign and Commonwealth Office (via British Council); European Union; University scholarships (UK students only); Charities and Trusts; International agencies; Overseas Government Scholarships.

CAREER PROSPECTS

Our graduate researchers have gone on to research, teaching or academic posts in universities or research institutes all over the world. Others work with environmental, agricultural or forestry organisations, in the public, private and third sectors.

For further course details, please see:

www.bangor.ac.uk/go/pg/senrgy

School of Ocean Sciences

The School of Ocean Sciences at Bangor is one of the largest university marine science departments in Europe and a leading international research institution, which is ideally located on the shores of the Menai Strait in north Wales.

The School is home to The Centre for Applied Marine Sciences (CAMS) which has very close links with relevant national and international agencies, governmental bodies and the user community. It also provides policy advice and has had a profound impact on applied shelf sea science through work on particle tracking, oil spill management, and aquaculture and marine conservation.

Facilities

The School of Ocean Sciences has excellent support facilities for both teaching and research. These range from large, modern, well equipped teaching laboratories to 'high-tech' research laboratories; from a local area PC based computer network to powerful number crunching workstations used in numerical ocean modelling; from photographic and desktop publishing graphics systems to in-house electrical and mechanical workshops capable of designing and building state of the art oceanographic equipment; from a filtered seawater supply direct from the Menai Strait to tropical and cool water marine aquaria. Our strong seagoing capability is enabled by the RV Prince Madog, a state-of-the-art research vessel, and an inshore boat fleet.

All our postgraduate taught programmes are currently in the process of review for re-accreditation by the Institute of Marine Engineering, Science and Technology (IMarEST). Accreditation by IMarEST will facilitate your progression to Chartered status in later professional life. One-year taught Masters degrees and research degrees are also offered in a wide range of marine subjects.

The School is an actively seagoing research institution with an international reputation for the quality of its research on shelf seas and shallow marine environments. Ocean margins, shelf seas, estuaries and the coastal zone are the key elements of the marine system with respect to climate change impacts (sea level, ecosystem functioning) and anthropogenic interactions. Our activity accordingly encompasses blue sky, strategic and applied research, and active knowledge transfer. The School's research culture is based on a multi-disciplinary, earth systems, approach to the investigation of shallow marine systems and processes.

School of Ocean Sciences English Language requirements

International applicants are normally required to provide evidence of English language proficiency. The minimum English requirements are:

- MSc Marine Biology and MSc Marine Environmental Protection: IELTS 6.5 (with no individual score lower than 6.0)
- MSc Applied Marine Geoscience, MSc Physical Oceanography and MSc Marine Renewable Energy: IELTS 6.0 (with no individual score lower than 5.5).
- PhD/MPhil
IELTS 6.5 (with no individual score lower than 6.0).

COURSE LIST:

MSc

- Applied Marine Geoscience
- Marine Biology
- Marine Environmental Protection
- Marine Renewable Energy
- Physical Oceanography

PhD/MPhil/MScRes

- Ocean Sciences – Shelf Sea and Coastal Processes; Biogeochemistry and Palaeoceanography; Marine Ecosystems; Conservation and Resource Management

TO FIND OUT MORE:

Tel: +44 (0) 1248 382897

E-mail: sos-pg-admissions@bangor.ac.uk
www.bangor.ac.uk/go/pg/oceansciences



"Having grown up in Nigeria, choosing the right university for my postgraduate course in the UK was a huge decision for me. I had to pick a university with a good reputation in the sciences as well as a place I could feel at home. I made the right choice. In addition to world-class training from my professors they also took their time to make me feel at home."

Eight years post-graduation; lessons learnt, both academically and socially, have paved the way for a rewarding career in energy and finance having worked successfully at CGGVeritas and Goldman Sachs in varying roles. In my current role as Business Development Manager, Africa and the Middle East at TGS I still find useful lessons learnt. If given the chance, I'd choose Bangor all over again."

FOLARIN LAJUMOKE, Business Development Manager, Africa and the Middle East at TGS who graduated in 2004 with an MSc in Marine Geotechnics

Applied Marine Geoscience MSc

COURSE DURATION

MSc: 1 year full-time; Diploma: 30 weeks full-time.

ENTRY REQUIREMENTS

Successful applicants normally hold, or are expected to be awarded, a First Class or Upper Second Class Honours Degree in a Natural Science or related subject. Alternatively, we will consider applicants with a good and relevant Lower Second Class Honours Degree provided that they have at least one year of additional relevant experience or can show evidence of particular interest in the course. Mature applicants with least two years relevant work experience are also encouraged to apply.

COURSE DESCRIPTION

The MSc in Applied Marine Geoscience evolved from its predecessor, the Marine Geotechnics course which boasted a 30 year pedigree.

A series of modules have been designed to explain the processes that form and characterise a wide variety of sedimentary environments, from the littoral zone to the deep ocean. Those controls range from the dynamical, chemical, climatic to geological; all are inter-related. You also gain knowledge and understanding of survey techniques in order to map these environments and thereby gain a better understanding of the processes that shape them. The final facet of the course involves an explanation of how these sedimentary materials react to imposed loads – how they behave geotechnically.

Compulsory Modules:

• Key Concepts and Techniques

This module provides you with key skills including mathematics for scientists, MATLAB programming, and oceanographic data analysis.

• Geophysical Surveying

This module involves theory and field/lab practice of seismic, electrical, magnetic and gravity surveying.

• Sediment Geotechnics

This module examines the basic principles of sediment characterisation and of soil mechanics (fluid flow, effective stress, consolidation, shear strength). Strong lab practical component.

• Practical Oceanography (geological)

This module involves ship and small boat practical acquisition of geophysical data. It also includes supplementary classes on marine acoustics, geodesy, remote sensing along with associated data processing and interpretation using industry standard software.

• Climate and Climate Change

An introduction to the factors and processes which control the Earth's past and present day climate. Interlinks between climate and geological processes are emphasised.

• Literature Review and Project Plan

You will be individually supervised to prepare for the practical thesis project by reviewing background literature, identifying testable ideas and formulating a detailed project plan.

• Research Project

A four month individual research project based on the syllabus and your individual preferences.

Optional Modules (in semester 2):

- Sedimentary Environments or
- Climate and Climate Change

RESEARCH LINKS/LINKS WITH INDUSTRY

Typically, companies make presentations throughout the year and sometimes conduct interviews in the School. A short course by a professional practitioner is held in semester 2. Many research projects have industrial project partners. All our postgraduate taught programmes are currently in the process of review for re-accreditation by the Institute of Marine Engineering, Science and Technology (IMarEST). Accreditation by IMarEST will facilitate your progression to Chartered status in later professional life.

CAREER PROSPECTS

Our graduates find employment in the offshore development industry (oil, gas, renewables), geophysical contract companies (particularly those serving engineering contractors), river and harbour boards, the offshore detrital mining industry, and government laboratories. The course may also serve as a conversion to allow a pure science graduate to proceed into postgraduate research in the marine geosciences. Typically, students will have secured employment by early summer during the course. Over the last decade, around three-quarters secured work in a geo-related post, the remainder went on to further research (PhD).

For further course details, please see:

www.bangor.ac.uk/go/pg/oceansciences

Marine Biology MSc

COURSE DURATION

MSc: 1 year full-time; Diploma: 30 weeks full-time.

ENTRY REQUIREMENTS

Entry to the MSc/Diploma Marine Biology usually requires a good 1st/2.1 degree in a relevant subject (e.g. Biology, Zoology, Ecology). However, other degree disciplines and backgrounds will also be considered provided that they have one year of additional relevant experience. Mature students not meeting the entry requirements, will also be considered provided that they have at least 2 years of additional relevant experience.

COURSE DESCRIPTION

The course provides theoretical and practical training in the field and laboratory to provide advanced training and aims to elevate students to the level of being independent marine biologists.

The School of Ocean Sciences is exceptionally well suited to provide training in Marine Biology because we have:

• Unrivalled location

We are situated on the shores of the Menai Strait close to Snowdonia, within an EU Special Area of Conservation, with rocky shores, sand beaches, intertidal sediments, sand dunes, salt marshes, estuaries, shellfish beds, seal haul-out sites, dolphin pods and Irish Sea on our door step.

• Outstanding teaching facilities, resources and training environment

The course is based in a dedicated 490 m² suite. In addition the school has a suite of research vessels (including the £2.8M, 35m RV Prince

Madog), extensive temperate and tropical aquarium facilities and dedicated teaching and research laboratories.

• Multidisciplinary course content, specialist teaching provision

All staff are active researchers in the topics they teach, allowing them to draw upon case studies and personal research. Additional specialist staff are brought in from outside marine science where necessary.

• Extremely well established and recognised

We have over 60 years experience of teaching marine science at postgraduate level with an excellent track record, consistently highly rated by external examiners.

Modules include:

• Marine Ecology Skills

This module provides training in key skills (experimental and survey design, statistical techniques, taxonomic keys).

• Marine Fisheries

This module provides a broad overview of fisheries and detailed training in the techniques used in the assessment of fish population dynamics.

• Coastal Ecology

This module provides an overview of the diversity and ecology of coastal habitats and knowledge and understanding of survey techniques used to assess organismal abundance and distribution in these habitats.

• Marine Vertebrates

Provides a broad overview of the diversity of fish, seabirds and marine mammals.

• Marine Invertebrates

This module provides a broad overview of the biology, ecology and culture of marine invertebrates.

• Research Project Planning

This module allows you to produce a literature review in the general area of your proposed research topic and a research plan for your proposed research project.

• Research Project

This module involves an independent 16 week investigation of a specific scientific topic resulting in the production of a thesis.

ACCREDITATION

All our postgraduate taught programmes are currently in the process of review for re-accreditation by the Institute of Marine Engineering, Science and Technology (IMarEST). Accreditation by IMarEST will facilitate your progression to Chartered status in later professional life.

CAREER PROSPECTS

Graduates have entered employment in the following career paths; PhD research and research assistants in universities and research institutes; teaching; private sector employment; public sector employment; non-governmental organisations.

For further course details, please see:

www.bangor.ac.uk/go/pg/oceansciences

Marine Environmental Protection MSc

COURSE DURATION

MSc: 1 year full-time.

ENTRY REQUIREMENTS

Successful applicants normally hold, or are expected to be awarded, a First Class or Upper Second Class Honours Degree in a Natural Science or related subject. We do however consider other degree disciplines and backgrounds. We will consider applicants with a good and relevant Lower Second Class Honours Degree provided that they have at least one year of additional relevant experience. Non-graduates who are over 25 years in age and have at least two years work experience relevant to the course are also encouraged to apply.

COURSE DESCRIPTION

The Masters in Marine Environmental Protection was established in 1988 and has developed a reputation over decades for its high quality multi-disciplinary training in applied marine environmental issues. The course recognises diverse threats to the earth's life support systems through a range of anthropogenic impacts, from destruction of habitat, pollution, and over-exploitation of resources to the global impact of climate change. It is more important than ever to predict impacts. The course provides graduates with field skills and advanced techniques and technologies needed to operate in the marine environment, quantitative skills to assess resources and to predict threats, a realistic understanding of marine commerce and governance; and communication and interpersonal skills to work together to bring their findings before the decision makers such that future development is sustainable.

Modules include:

• Marine Ecology Skills

This module examines marine taxonomy and biodiversity. It gives you skills in experimental and survey designs, marine benthic surveying, key statistical techniques and resource mapping using GIS (Geographical Information Systems).

• Marine Fisheries

You will learn about fish population dynamics, fisheries resources and their assessment.

• Coastal Habitat Ecology and Survey

Examines the principles and methods of biological surveys of coastal habitats.

• Environmental Impact Assessment

Examines marine impacts and their assessment including the process of preparing an Environmental Impact Statement (EIS) to EU directive requirements.

• Marine Conservation and Coastal Zone Management

This module examines coastal zone law, socioeconomics, biodiversity, sustainability, marine protected areas, environmental aquaculture, and integrated coastal zone management.

• Research Design and Planning

Research, write and present literature review and proposal to prepare your practical project.

• Research Project and Dissertation

Do an advanced, practical research project to investigate a scientific topic of relevance to marine management.

RESEARCH LINKS/LINKS WITH INDUSTRY

Links with external bodies reflect the diverse, pure and applied research interests of staff at the School of Ocean Sciences. These links bring numerous opportunities for research projects to locally, nationally and internationally. All our postgraduate taught programmes are currently in the process of review for re-accreditation by the Institute of Marine Engineering, Science and Technology (IMarEST). Accreditation by IMarEST will facilitate your progression to Chartered status in later professional life.

CAREER PROSPECTS

Graduates have entered a diverse range of employment and typically find employment in higher education and research. Examples include: PhD research and Research Assistant in marine environmental Sciences in the UK and overseas; teaching (e.g. environmental sciences in schools and activity centres); private sector (e.g. companies and consultancies specialising in marine survey and environmental impact assessment, aquaculture, oil industry, tourism and recreation); formation of their own businesses (e.g. in marine environmental consultancy); public sector (e.g. Environment Agency, Nature Conservation Agencies, CEFAS, Sea Fisheries Committees, Local Government Partnerships and County Councils, and comparable organisations abroad); non-government organisations and voluntary organisations (e.g. World Wide Fund for Nature, Greenpeace, Wildlife Trusts, Heritage Trust).

For further course details, please see:

www.bangor.ac.uk/go/pg/oceansciences

Marine Renewable Energy MSc

COURSE DURATION

MSc: 1 year full-time.

ENTRY REQUIREMENTS

Applicants should normally hold, or expect to obtain, a first or upper second class Honours degree in a physical, mathematical, or other numerate science. If places are available, we will also consider applicants with a good and relevant lower second class Honours degree. Applicants from Geography, Biology and other sciences will be considered if they can demonstrate high motivation and a reasonable grounding in mathematics. Mature students with at least two years relevant experience are encouraged to apply.

COURSE DESCRIPTION

There is an urgent need to support our electricity generating capacity through the development of low carbon technologies. The ocean represents a vast and largely untapped energy resource that could be exploited as a form of low carbon electricity generation, and there is much commercial and R&D activity in this energy sector. The aim of this MSc is to equip students with the skills necessary to identify and quantify the potential of regions for marine renewable energy installations, with an emphasis on the resource, time series analysis, numerical modelling, and the challenges faced when placing arrays of devices in the marine environment.

Compulsory Modules:

• Key Concepts and Techniques

This module provides you with key skills needed for your Masters course, including mathematics for scientists, MATLAB programming, and oceanographic data analysis.

• Practical Oceanography

This module provides you with practical experience of acquiring oceanographic and geophysical data from the 35m RV Prince Madog. You will process, interpret and report on the acquired data. Topics such as marine acoustics; numerical modelling; and remote sensing will be covered.

• Geophysical Fluid Dynamics

This module introduces the governing principles and the application of Newton's Laws of motion to geophysical fluids. It covers classical Hydrodynamics, the equations of motion and continuity, rotation, the theory behind tides and waves, including internal and planetary waves, and an introduction to ocean turbulence.

• Marine Renewable Energy

This module will develop your understanding of key energy concepts, including kinetic and potential energy, power, intermittency, and how these relate to ocean energy. You will learn about quantifying wave and tidal energy resources over various timescales, wave-tide interactions, and environmental impacts.

• Geophysical Surveying

This module involves theory and field/lab practice of seismic, electrical, magnetic and gravity surveying within the context of offshore energy installations.

• Research Design & Planning

You will be individually supervised to prepare for the research project by reviewing background literature, identifying testable ideas, and formulating a detailed project plan.

• Research Project and Dissertation

In the research project, you independently investigate a specific scientific topic. Projects are chosen with appropriate guidance from academic staff, and topics span a broad range of marine renewable energy issues.

RESEARCH LINKS/LINKS WITH INDUSTRY

We have extensive links with the marine renewable energy industry, and many of the research projects will be in collaboration with industry. You will also gain exposure to the industry through invited industrial speakers.

CAREER PROSPECTS

Graduates will be in high demand across the marine renewable energy sector, working for device developers as resource analysts, entering oceanographic consultancies working on in situ and modelling studies for the wave and tidal industry, geophysical surveying for the industry, opportunities to work on grid infrastructure (National Grid) and cabling, leasing bodies such as The Crown Estate, and working for government-sponsored environmental bodies such as The Environment Agency, assessing environmental impacts.

For further course details, please see:

www.bangor.ac.uk/go/pg/oceansciences



STAFF PROFILE

John Turner (pictured above) from the School of Ocean Sciences is working on coral reefs (especially remote ones), and coastal zone management and protection. He teaches tropical marine ecology and conservation and is the Dean of Postgraduate Research. His current projects revolve around enhancing marine protected areas in the Cayman Islands in the Caribbean, and the world's largest marine protected area in the British Indian Ocean Territory. His interests range from micro-algae in symbiosis with corals, through to Environmental Impact Assessment.

PhD students work on shark cleaning behaviour; stingray ecology; acoustic methods of dolphin monitoring in Special Areas of Conservation; reef resilience and marine protected areas; community based marine protected areas; coral bleaching, and coral reef ecology; and John supervises many MSc projects overseas. John has undertaken large-scale biological surveys for the United Nations Development Programme on the sustainable use of biodiversity of Socotra Archipelago, and on the coastal ecosystems of the Andaman Islands, and Environmental Impact Assessments for major industrial developments such as a Liquid Natural Gas terminal in Oman, and effluent treatment in Mauritius. He leads the UNESCO Network in Marine Biology in East Africa, and is experienced in scientific diving and underwater surveys, especially in remote places.

Professor JOHN TURNER
Dean of Postgraduate Research, School of Ocean Sciences

Physical Oceanography MSc

COURSE DURATION

MSc: 1 year full-time.

ENTRY REQUIREMENTS

Applicants should normally hold, or expect to obtain, a first or upper second class honours degree in a physical, mathematical or other numerate science. Mature students with at least two years relevant experience are encouraged to apply.

COURSE DESCRIPTION

The MSc in Physical Oceanography at Bangor has run since 1965 and is specifically designed for those who want to pursue careers as scientists forecasting the impacts of future climate change, in the renewable energy industry or in natural resource exploration.

This course is specifically aimed at those with a background in numerical or environmental sciences who have an interest in developing their theoretical knowledge of the oceans and gaining practical skills working at sea. Practical skills are gained through participation in survey work on the University Research Vessel, the Prince Madog, and smaller survey boats. You also learn to programme in MATLAB, and study the development and testing of numerical models, with a particular focus on Marine Renewables.

More theoretical modules cover waves, dynamics and tides, and climate and climate change. The taught element of the course runs from October to May, after which you embark on a 3 month individual research project which leads to the production of a thesis. Approximately 30% of the MSc Physical Oceanography student thesis are subsequently published in a peer review scientific journal.

Compulsory Modules:

• Key Concepts and Techniques

This module provides you with some of the key skills they will need for your Masters course and your project work. These skills include mathematics for scientists, MATLAB programming, oceanographic data analysis and an introduction to the marine environment.

• Practical Oceanography

This module will give you a practical experience of acquiring oceanographic and geophysical data from the RV Prince Madog. You will be expected to process, interpret and report on the data acquired. Complementing the ship and boat work will be lectures focusing on geodesy and position fixing; marine acoustics; and satellite remote sensing and GIS.

• Geophysical Fluid Dynamics

This module introduces the governing principles and the application of Newton's Laws of motion to geophysical fluids. It covers classical Hydrodynamics, the equations of motion and continuity, rotation, the theory behind tides and waves, including internal and planetary waves, and an introduction to ocean turbulence.

• Climate and Climate Change

This module aims to introduce the factors and processes which control the Earth's present day climate, in particular natural climate variability, anthropogenic climate change, climate change impacts, future climate change and mitigation strategies.

• Marine Renewable Energy

This module will develop your understanding of key energy concepts, including kinetic and potential energy, power, intermittency, and how these relate to ocean energy. You will learn about quantifying wave and tidal energy resources over various timescales, wave-tide interactions, and environmental impacts.

• Research Design and Planning

You will be individually supervised to prepare for the research project by reviewing background literature, identifying testable ideas, and formulating a detailed project plan.

ACCREDITATION

All our postgraduate taught programmes are currently in the process of review for re-accreditation by the Institute of Marine Engineering, Science and Technology (IMarEST). Accreditation by IMarEST will facilitate your progression to Chartered status in later professional life.

CAREER PROSPECTS

With over 50 years of experience in teaching Physical Oceanography at the School of Ocean Sciences, Bangor graduates have long been recognised as gaining the key skills which employers are looking for. Students find employment in the offshore hydrocarbons and renewables industries, marine survey contract companies, river and harbour boards and government establishments. Many students also choose to continue to a PhD in Physical Oceanography, either staying at Bangor or moving to another UK or an overseas University.

For further course details, please see:

www.bangor.ac.uk/go/pg/oceansciences

Ocean Sciences PhD/MPhil/MScRes

COURSE DURATION

PhD: 3 years full-time; MPhil: 2 years full-time; MScRes: 1 year full time. Part-time programmes available.

ENTRY REQUIREMENTS

Applicants should normally have an upper second class Honours degree in a related Science subject or equivalent. Applicants from overseas must, in addition, demonstrate competence in English to an acceptable level. See page 111.

COURSE DESCRIPTION

Research Degrees (PhD/MPhil) are available in the following broad subject areas:

• Shelf Sea and Coastal Processes

Shelf seas represent the transition zone between land and ocean. Our focus is on the identification of key physical processes, and their interactions, which drive the fluxes across critical interfaces within this zone. Development of new observational techniques, coupled with our strengths in theory and modelling, have enabled existing paradigms to be challenged, state-of-the-art models to be critically tested and new ideas developed.

• Biogeochemistry and Palaeoceanography

The group investigates the cycling and fate of carbon and nitrogen across a range of marine systems, in particular the supply of inorganic nutrients and dissolved organic matter (DOM) to coastal waters, and the biogeochemistry of sea ice. Biogeochemistry underpins the validation and application of novel palaeoceanographic proxies, which we have applied to reconstructions of shelf seas and ocean margins.

• Marine Ecosystems: Conservation and Resource Management

The conservation and sustainable use of aquatic living resources is crucial given current rates of global population expansion. To understand the extent to which human activities modify marine ecosystems we need a fundamental understanding of the processes that influence biodiversity and ecosystem functioning. Our research adopts an ecosystem-wide approach and addresses the science that underpins mitigation of human activities through cultivation of marine resources, restoration of habitats or control of human activities. The integration of fundamental and applied science has led to outputs that have influenced international and national policy for conservation and sustainable use of marine resources.

For further course details, please see:

www.bangor.ac.uk/go/pg/oceansciences

Chemistry

Chemistry at Bangor has a distinguished history stretching back to the foundation of the University in 1884. Over this period the highest standards in teaching coupled with a strong commitment to research have been our mission.

Chemistry combines a traditional approach with a modern curriculum and teaching methods. The result is a modern learning environment which offers a range of postgraduate degree courses which have been highly rated by our external examiners.

Chemistry has an active postgraduate programme with students and researchers from the UK and many different countries around the world. Research work is creative and of the highest quality spanning the traditional areas of organic, inorganic and physical chemistry grouped together under three research themes of chemistry at the life science interface, materials chemistry and theoretical chemistry.

Staff and facilities

We have a full complement of academic staff working in our teaching and research facilities. While research work being the main emphasis in our research programmes (PhD/MPhil/MSc by Research) access to postgraduate teaching and learning is available. Postgraduate teaching and learning is enhanced by traditional lectures, seminars, IT sessions and laboratory classes for our taught programmes (MRes and MSc) which also include research elements. We have well-equipped laboratories with industry standard instrumentation for postgraduates use, including two NMR instruments, GC, HPLC, MS, GPC, spectroscopy (FTIR and UV-vis), TGA, XRD and microscopy.

Overview of academic areas

Chemistry has a vibrant research community which includes undergraduate students, MSc Analytical Chemistry, MRes, MSc by Research, MPhil and PhD researchers and students all working under the broad research themes of chemistry at the life science interface, materials chemistry, and theoretical chemistry. We also collaborate with colleagues in other departments both at Bangor University and worldwide.

Specific research interests include analytical chemistry, polymer chemistry, sustainable chemistry, chemical biology, natural product synthesis, carbohydrate chemistry and other areas of organic and inorganic synthetic chemistry including transition metal chemistry, boron and silicate chemistry, magnetochemistry, protein chemistry, nanochemistry, interface chemistry, mass-spec of biologically relevant molecules, plant analysis, biosensors, quantum mechanics and quantum dynamics (theoretical and computational chemistry). We have many links with both industrial and academic partners around the world, contributing to the international reputation for excellence.

English Language requirements

International applicants are normally required to provide evidence of English language proficiency. The minimum English requirements are:

- IELTS 6.0 (with no individual score lower than 5.5).

For **PhD/MPhil**:

- IELTS 6.5 (with the following minimum component scores: Writing-6.5; Reading- 6.5; Speaking-6.0; Listening-6.0.)

For **MRes/MSc by Research**:

- 7.0 (Speaking-6.5; Listening-6.5; Writing- 7.0; Reading-7.0).

COURSE LIST:

MSc / PgDip

- Analytical Chemistry

MRes

- Chemistry

MSc by Research

- Chemistry

PhD/MPhil

- Chemistry

TO FIND OUT MORE:

Tel: + 44 (0) 1248 382375

E-mail: chemistry@bangor.ac.uk

www.bangor.ac.uk/chemistry

Chemistry MRes

COURSE DURATION

MRes: 1 year full-time.

ENTRY REQUIREMENTS

BSc (Hons) 1st class or 2.i (or equivalent) in Chemistry or suitable science degree.

COURSE DESCRIPTION

The objective of the taught programme is to produce skilled postgraduates who can act in the increasingly wide research area of chemistry. The taught element encompasses subject specific critical evaluation of scientific literature, writing and presentational skills as well as project planning and advanced lab skills (60 credits). The research element (120 credits) will require students to undertake a major research project under direct supervision which will be written up as a thesis. This will open up postgraduate career opportunities in a broad range of employment areas in the chemical, environmental, pharmaceutical and biotech industries. This programme can also be extended to MPhil or PhD studies.

Compulsory Modules:

• Research Thesis

The thesis takes the form of a 120-200 page (40,000 words maximum) document describing the background literature to the area of research and the research work undertaken.

• Advanced Research and laboratory Skills

This module comprises 3 main areas:

- (i) project planning
- (ii) literature review
- (iii) initial project laboratory work and training

As such, this module assesses your ability to work in a laboratory environment and to set in place an area of research work. The literature report takes the form of a 20-30 page review of the background literature to your area of research and will act as the background and basis to the final MRes thesis. The document should be word processed and should be prepared in consultation with your project supervisor.

• Laboratory Health and Safety

This module gives a basic grounding in safety training. A series of videos/lectures are used to give you awareness of all safety issues which include legal requirements, filling in COSHH assessment forms, use of data bases etc.

As part of this module, you also participate in an intensive first aid course under the guidance of the Red Cross, the successful completion of which results in certification.

Also included is a practical fire fighting course where you learn the basis of fire prevention, the correct techniques in the use of and choices of fire extinguishers. Finally you are expected to put together a small portfolio to indicate that you have put the knowledge into practice in your course - e.g. demonstrate the proper use of COSHH assessments etc. This will be backed up by your supervisor's/line manager's input.

Students who have already taken this module may choose an extra 10 credits.

CAREER PROSPECTS

This will open up postgraduate career opportunities in a broad range of employment areas in the chemical, environmental, pharmaceutical and biotech industries.

For further course details, please see:

www.bangor.ac.uk/go/pg/chemistry

COURSE DURATION

MSc: 1 year full-time.

ENTRY REQUIREMENTS

A minimum 2.ii honours degree in Chemistry or a chemistry-related subject is required.

COURSE DESCRIPTION

This taught course aims to attract graduates wishing to extend their qualifications and widen their experience in analytical chemistry techniques in particular those who wish to develop their careers in an analytical research lab either in industry or research/teaching institutions. The objective of this programme is to produce skilled postgraduates who can act in the increasingly expanding area of chemistry with analytical skills. The taught element encompasses subject specific knowledge and skills, critical evaluation of scientific literature, writing and presentational skills as well as project planning and advanced lab skills. The research element will require students to undertake a research project in an area of analytical chemistry discipline under direct supervision, which will be written up in a paper format aiming for scientific publication. The trained postgraduates will be equipped with good knowledge and hands-on experience of a range of analytical instruments and techniques.

Graduates from this MSc training programme are expected to be highly employable in a good range of chemistry-related industries.

OUTCOMES:

- To generate an appreciation of the importance of analytical chemistry in an industrial, economic and social context.
- To provide students with a broad and balanced foundation of analytically-related chemical knowledge and practical skills (particularly applicable to real industrial or environmental problems), and to develop, through an education in chemistry, a range of transferable skills which are of value in chemical and in some cases non-chemical employment.
- To provide students with a knowledge and skills base from which they can proceed (if so desired) to further studies in specialised areas of analytical chemistry or multidisciplinary areas involving chemistry, with the provision of transferable skills, which play a large role in doing this.
- To extend students' comprehension of key chemical concepts and so provide them with an in-depth understanding of analytical chemistry.
- To provide students with the ability to plan and carry out experiments independently and assess the significance of outcomes.
- To develop students with the ability to adapt and apply methodology to the solution of unfamiliar types of problems.
- To instil a critical awareness of advances at the forefront of analytical chemistry sciences.
- To prepare students effectively for professional employment or research degrees in the analytical chemical sciences.

Compulsory Modules:

- Core Chemistry and Research Skills
- Techs. in Chemical Analysis
- Techs. in Biochemical Analysis
- Modern Analytical Techniques
- Literature Review
- Research Project Proposal
- Laboratory Health and Safety (Core)
- MSc Lab Work and Research Paper (Core)

Example Optional Modules include:

- Pollution and Environment
- Academic Writing and Grammar

CAREERS PROSPECTS

This degree could open up a wide range of opportunities for graduates. For example, some of our students have found careers in the following areas:

- Researching pollutant levels in marine and coastal environments
- Developing new sensors for measuring of organic and inorganic species
- Identifying new biomarkers of disease states
- Quality Assurance Laboratories
- Hi-Tech industry
- Postgraduate study in Chemistry, Environmental or related sciences (PhD)
- Teaching

For further course details, please see:

www.bangor.ac.uk/go/pg/chemistry

Chemistry PhD/MPhil/MSc by Research

COURSE DURATION

PhD: 3 years full-time; MPhil: 2 years full-time.

MSc by Research: year full-time.

All research programmes can be offered as part-time programmes subject to funding schemes.

ENTRY REQUIREMENTS

A minimum 2.i honours degree in Chemistry or a chemistry-related subject is required.

COURSE DESCRIPTION

Many research projects are continually investigated. Please check the School's website for the most up-to-date list of research conducted within the School.

Example Research Topics:

- Computational studies on peptide fragmentation
- Coordination and supramolecular chemistry, molecular magnetism
- Design, synthesis, characterization and property evaluations of water soluble responsive polymers
- Development of molecular tools for the investigation of carbohydrate recognition domains
- Elemental analysis of saliva
- Environmental analysis
- Fluorescent and electroactive conjugated copolymers as sensors
- LasA protein in *Pseudomonas* Infection
- Plant chemical compounds – Unravelling their diversity

RESEARCH LINKS/LINKS WITH INDUSTRY

Some of our postgraduate researchers have completed their research programmes whilst working within industry and studying part-time. We also offer funding streams for EU students which link students with industry for the duration of their course. Our postgraduate researchers gain invaluable industry experience and the local company is able to take advantage of the latest research.

CAREER PROSPECTS

Most of our postgraduate researchers now have successful careers in the chemical and pharmaceutical industry, environmental consultancy, teaching or further PhD studies and academia.

For further course details, please see:

www.bangor.ac.uk/go/pg/chemistry

"While searching online for a university, I came across Bangor University. The University's research reputation made Bangor my first choice. I lived in England during my Master's programme but on coming to Bangor I realised that, Bangor is the best place to be and I have never regretted coming here.

The best thing about course is that I have all the facilities needed to carry out my research. It has been an excellent centre due to its highly recognised research activities and all the lecturers are very nice people who are always willing to help.

The International Student Service has also been a source of happiness for me and my personal tutor has been wonderful.

The best thing about Bangor for me is the low cost of living, it's very peaceful, the local people are awesome and it's the best place to live with family."

JUNAIDU ISAH BUNGUDU, from Nigeria, studying for a PhD in Chemistry

Computer Science

Computer Science is a lively community of academic staff, undergraduate and postgraduate students and postdoctoral research workers.

Computer Science at Bangor is ideally placed to provide the training required for a career in IT in the 21st Century. Our interactions with a wide range of companies ensure our degree courses reflect current trends and recent developments in their subjects.

Facilities

We have a strong and vibrant postgraduate programme and our students have dedicated laboratories in which to work.

Bangor is well equipped with computer rooms and other specialist equipment (such as a High Performance Visualisation and Medical Graphics laboratory) that are used to support and reinforce information and concepts presented during lectures and seminars.

In addition, we aim to ensure that our students use industry-standard hardware and software from the beginning of their studies and we continue to invest in new computer systems and up-to-date software to support our teaching.

Our strong focus on postgraduate teaching and research means that all our students are involved with current research themes from the outset, working closely with their personal tutors on the latest research.

There are many opportunities in the IT industry in many sectors due to the presence of a high number of IT companies and SMEs based locally.

Overview of academic areas

Research expertise spans computer graphics, visualization, knowledge discovery, and communications. Expertise in these areas is incorporated into our teaching activities, giving students direct access to the latest Computer Science research.

School of Computer Science

English Language requirements

International applicants are normally required to provide evidence of English language proficiency. The minimum English requirements are:

- IELTS 6.0 (with no individual score lower than 5.5).

New Developments

Computer Science is in the process of developing new and exciting courses to accommodate new technological and sector areas. For further information, please contact us directly.

COURSE LIST:

MSc

- Computer Science
- Computer Science with Visualisation

MRes

- Advanced Visualisation, Virtual Environments and Computer Animation

MBA

- Information Management (see page 51)

PhD/MPhil

- Artificial Intelligence and Intelligent Agents
- Communication Networks and Protocols
- Computer Graphics and Data Visualisation
- Pattern Recognition/Classifiers

TO FIND OUT MORE:

Tel: + 44 (0) 1248 382686

E-mail: cs-pg-admissions@bangor.ac.uk

www.bangor.ac.uk/cs



"I heard about Bangor University from one of the International Officers. What he told me about the University and the area sounded interesting. I did some further research and found that Bangor is a good place to live with lots of beautiful places to visit and also that the University is ranked very highly.

I enjoy social activities such as hiking, canoeing, archery, ice skating, pool, table tennis, cricket, badminton, the gym, and visiting the beach and beautiful places around Bangor.

The University been supportive throughout my studies. Whenever I needed help from my tutor or any University member of staff, I found them to be very helpful."

**SYED KALEEM ASLAM, from Pakistan,
studying for a PhD in Computer Science**

Computer Science MSc

COURSE DURATION

MSc: 1 year full-time.

ENTRY REQUIREMENTS

A recognised initial degree is required.

Applicants from overseas must in addition demonstrate competence in English to level IELTS 6.0 overall and no element under 5.5. An appropriate ELCOS (Bangor University English Language School) pre-sessional course may be taken to achieve the required English language level.

COURSE DESCRIPTION

This MSc takes an immersive approach to learning both the principles and practices of computer systems with much of the material based around examples and practical exercises. Students completing this course will have a firm grasp of the current practices and directions in computer systems and will be able to design and build for example, distributed systems for the Web using Internet, Intranet and other technologies.

Typical topics include:

- Data Networks and Communications
- Information Visualisation
- Technologies for Internet Systems
- Object Oriented Programming
- Applied Artificial Intelligence
- Research Project Foundations
- Applied Artificial Intelligence
- Virtual Environments and Human Perception
- Distributed Systems

• MSc Research Project (60 credits)

Students are expected to conduct project work that is at near or actual state of the art research level and to present this work as a written dissertation.

CAREER PROSPECTS

Computer Science at Bangor is regularly ranked amongst the top universities in the UK for employability according to league tables. Computer Science helps to foster collaborations with local IT companies. There are also many opportunities in the IT industry in many sectors due to the presence of a comparatively high number of IT companies and SMEs locally.

For further course details, please see:

www.bangor.ac.uk/go/pg/computerscience

Advanced Visualisation, Virtual Environments and Computer Animation MRes

COURSE DURATION

MRes: 1 year full-time.

ENTRY REQUIREMENTS

An honours degree in computer science or engineering/scientific discipline, which included a substantial computing element.

COURSE DESCRIPTION

This course aims at providing computer science graduates with the knowledge and skills to specialise in advanced computer graphics principles and practice, as well as gaining exposure to research activities in this field. Students completing this course will have a firm grasp of the current practices and directions in computer graphics techniques and be able to apply them to scientific visualization, virtual environments, and computer animation.

Compulsory Modules:

- Computer Animation
- Virtual Environments and Human Perception
- Information Visualisation
- Scientific Visualisation
- MRes Project

CAREER PROSPECTS

Computer Science at Bangor is regularly ranked amongst the top universities in the UK for employability according to league tables. There are also many opportunities in the IT industry in many sectors due to the presence of a comparatively high number of IT companies and SME's locally.

For further course details, please see:

www.bangor.ac.uk/go/pg/computerscience



COURSE DURATION

PhD: 3 years full-time; MPhil: 2 years full-time.

ENTRY REQUIREMENTS

- Artificial Intelligence and Intelligent Agents: a good honours degree or equivalent is required.
- Communication Networks and Protocols: a good honours degree or equivalent in electronic engineering or computer science is required.
- Medical Visualisation and Simulation: a good honours degree or equivalent with computer science is required.
- Pattern Recognition/Classifiers: a good honours degree or equivalent with computer science is required.

COURSE DESCRIPTIONS

Artificial Intelligence and Intelligent Agents

Research topics include knowledge-based systems, logic, multi-agent systems, distributed systems, evolutionary algorithms, machine learning, data mining, computational linguistics, natural language processing, information theory and information retrieval, text mining, text categorization, question/answering, machine translation, believable agents (e.g. chatbots), and artificial life agents.

Communication Networks and Protocols

The main research fields are: network planning and optimization, wireless data networks, and network protocols. There are strong links externally with the other research groups, both within the and internationally, as well as many of the leading companies in the area.

Visualisation and Simulation

The main research fields are: medical visualisation; surgical simulation; telemedicine; computer graphics; and visualisation across the computational Grid. There are strong links externally with the other research groups in this field, and the NHS.

Pattern Recognition/Classifiers

Pattern recognition is a very active field of research intimately bound to machine learning and data mining. Also known as classification or statistical classification, pattern recognition aims at building a classifier that can determine the class of an input pattern. An input could be the ZIP code on an envelope, a satellite image, microarray gene expression data, a chemical signature of an oil-field probe, a financial record of a company and many more. The classifier may take a form of a function, an algorithm, a set of rules, etc. Pattern recognition is about training such classifiers to do tasks that could be tedious, dangerous, infeasible, impractical, expensive or simply difficult for humans. Pattern recognition faces many challenges in the modern era of massive data collection (e.g. in retail, communication and Internet) and high demand for precision and speed (e.g. in security monitoring and target tracking).

New methodologies are needed to answer these application-born challenges.

We offer a new and exciting research programme in the area of Pattern Recognition and Classification.

RESEARCH LINKS/LINKS WITH INDUSTRY

Some of our students have completed a PhD whilst working within industry and studying part-time. Bangor University also offers various funding streams for local students (the KESS programme) which links students with industry for the duration of their PhD. Students gain invaluable industry experience and the local company is able to take advantage of the latest research.

CAREER PROSPECTS

There are strong links with industry and with other research groups in this field. Computer Science at Bangor is regularly ranked amongst the top universities in the UK for employability according to league tables. There are also many opportunities in the IT industry in many sectors due to the presence of a comparatively high number of IT companies and SMEs in the local area.

For further course details, please see:
www.bangor.ac.uk/go/pg/computerscience



Electronic Engineering

Electronic Engineering is at the forefront of education and research in electronics today and conducts world-leading research in optoelectronics, optical communications, organic electronics and bioelectronics. In the most recent Government Research Excellence Framework, the School was ranked 2nd in the UK for research outputs in Electronic Engineering.

Staff and facilities

Since our staff work with companies through joint research projects, knowledge transfer partnerships and as consultants, students can be sure that they are taught by practising professional engineers and scientists.

Electronic Engineering has excellent facilities for postgraduate students, including access to cutting edge laboratory equipment, from clean rooms to optical communications testbeds. Students will have access to relevant equipment and experimental techniques, and will carry out their project work in our well equipped research laboratories.

The hands-on approach to teaching and laboratory work means that all our students will gain invaluable experience of industry-standard techniques, giving our students a significant edge in the job market.

Overview of academic areas

Optoelectronics research focuses on understanding the physics of semiconductor optoelectronic devices, with a particular emphasis on the dynamics of optoelectronic systems increasing the capacity of optical communication links.

Sanjay Priyadarshi, from India, was awarded a research scholarship. He recently completed a PhD in Electronic Engineering.

"I received the Research Scholarship which was a golden opportunity for me to follow my dream of studying further. My area of research was in Optical Chaos Communication and the Characteristics of Nonlinear Dynamics of Semiconductor Lasers.

Electronic Engineering has excellent facilities and experienced staff that all have the incredible skill of motivating and preparing their students for the challenges of the new high-tech world. Bangor University is among the best research-

The Organic Electronics researchers examine how organic chemicals, with desirable electronic properties, can be manufactured into electronic devices to compete with silicon, with a particular emphasis on organic photovoltaic materials and low-cost plastic electronics.

The interaction between electronic and electrical phenomena and biological samples forms the focus of bioelectronic research. Biological measuring instruments can be made by utilising the interplay of cells and miniaturised, structured electric fields, to build an entire 'lab on a chip' and medical microwave applications.

Electronic Engineering English Language requirements

International applicants are normally required to provide evidence of English language proficiency. The minimum English requirements are:

- IELTS 6.0
(with no individual score lower than 5.5).
For Nanotechnology and Microfabriaction MSc:
- IELTS 6.5
(with no individual score lower than 6.0).

intensive universities in the UK. The University has excellent teaching and learning resources and support.

The best thing about Bangor for me is the eco-friendly research environment and the fact that I could discuss my thoughts and ideas with the full involvement of the group. My colleagues also provided all the support that I needed.

I worked on Optical Chaos, which has a potential application in secure communication. The semiconductor lasers are fascinating sources for secure optical communications using chaos. It is most relevant for today's increasing requirement for secure data transmission at very fast speed."

COURSE LIST:

MSc

- Broadband and Optical Communications
- Electronic Engineering
- Nanotechnology and Microfabrication

MRes

- Electronic Engineering

PhD/MPhil

- Microwave Engineering
- Photonics
- Materials Science
- Laser Micromachining and Laboratory-on-a-Chip
- Optical Communications
- Optoelectronics and Nanophotonics
- Organic Electronics

TO FIND OUT MORE:

Tel: + 44 (0) 1248 382686

E-mail: eng-pg-admissions@bangor.ac.uk

www.bangor.ac.uk/eng

Electronic Engineering was ranked 2nd in the UK in the most recent Government Research Excellence Framework for research outputs and submitted over 85% of its staff.

Electronic Engineering MRes

Specialist areas of study:

Optoelectronics; Optical Communications; Organic Electronics; Polymer Electronics; Micromachining; Nanotechnology; Bio-Electronics; Microwave Devices and Systems.

COURSE DURATION

MRes: 1 year full-time.

ENTRY REQUIREMENTS

We welcome applicants who have gained an Honours degree in Electronic Engineering, Physics or a related scientific discipline, at a 2.ii level or higher or the international equivalent. Applicants with initial degrees in other disciplines will be considered on an individual basis, with the assessment based on the applicant's potential to succeed on, and benefit from, the course.

Applicants from overseas must in addition demonstrate competence in English to level IELTS 6.0 overall and no element under 5.5 with a writing score of 6.5. An appropriate ELCOS (Bangor University English Language School) pre-sessional course may be taken to achieve the required English language level.

COURSE DESCRIPTION

Each programme is aligned to the research conducted within Electronic Engineering. The MRes programme provides a dedicated route for high-calibre students who are ready to carry out independent research (and possibly have a specific research aim in mind) leading to PhD level study or who are seeking a stand alone research-based qualification suitable for a career in research with transferable skills for graduate employment.

It is the normal expectation that the independent research thesis (120 credits) should be of at a standard publishable in a high quality peer reviewed journal. Each MRes shares the taught element of the course. After successful completion of the taught element you are then able to specialise in a specific subject for your thesis.

Compulsory Modules:

The taught provision has three 15 credit modules that concentrate on specific generic skills.

• Modelling and Design

This module focuses on the simulation and design of electronic devices using an advanced software package – COMSOL. This powerful commercial software package is extremely adaptable and can be used to simulate and design a very wide range of physical systems.

• Project Planning and Management

This module focuses on the skills required to scope, plan, execute and report the outcomes of a business and research project.

• Mini Project

This module focuses on applying the skills and techniques to a mini project, whose theme will form the basis of the substantial research project.

• Research Project

After the successful completions of the taught component of the programme, the major individual thesis will be undertaken within Bangor's world-leading Electronic Engineering research groups.

Optional Modules include:

- Introduction to Nanotechnology & Microsystems
- Advanced Optical Communications
- Broadband Communication Systems

CAREER PROSPECTS

Graduates of these courses have gone on to work in various branches of the Electronics industry, for example optical communications and telecommunications companies, government research facilities like GCHQ, and various nanotechnology enterprises, from start-ups to multinational companies.

Many MRes students will continue postgraduate study after graduating, going on to MPhil and PhD programmes. Whatever your final destination, MRes graduates will have demonstrable independent research skills and the ability to scope and manage complicated technical projects. You will also have developed scientific and engineering skills specific to your particular area of study, from scanning probe microscopy to finite element modelling which are of immediate applicability in technical industries.

For further course details, please see:

www.bangor.ac.uk/go/pg/electronicengineering

Broadband and Optical Communications MSc

COURSE DURATION

MSc: 1 year full-time.

ENTRY REQUIREMENTS

This degree is aimed at candidates who have gained an Honours degree in Electronic Engineering, Physics or a related scientific discipline, at a 2.ii level or higher or the international equivalent. Applicants with initial degrees in other disciplines will be considered on an individual basis, with the assessment based on the applicant's potential to succeed on, and benefit from, the course.

Applicants from overseas must in addition demonstrate competence in English to level IELTS 6.0 overall and no element under 5.5. An appropriate ELCOS (Bangor University English Language School) pre-sessional course may be taken to achieve the required English language level.

COURSE DESCRIPTION

This course aims to give suitable graduates an in-depth understanding of the technology, and the drivers for the technology, in the area of broadband and mobile communications. The course will also provide exposure to current research activity in the field.

Upon completing the programme, you will have a detailed understanding of the current practices and directions in this topic, and will be able to apply them to the task of continuing the roll-out of advanced communication services across the globe.

Compulsory Modules:

• Data Networks and Communications

This module will provide an in-depth understanding of how real communication networks are structured and the protocols that make them work. It will give you the ability to explain in detail the process followed to provide an end-to-end connection.

• Modelling and Design

This module focuses on the simulation and design of electronic devices using an advanced software package – COMSOL. This powerful commercial software package is extremely adaptable and can be used to simulate and design a very wide range of physical systems.

• Project Planning and Management

This module focuses on the skills required to scope, plan, execute and report the outcomes of a business and research project.

• Advanced Optical Communications

The main learning objective of this module is a study of the design and operating characteristics of optical fibre communication systems.

• Mini Project

This module focuses on applying the skills and techniques to a mini project.

• Broadband Communication Systems

This module aims to provide you with an in-depth understanding of current and emerging broadband communications techniques employed in local, access and backbone networks.

• Mobile Communications

This module will provide an in-depth understanding of current and emerging mobile communication systems, with a particular emphasis on the common aspects of all such systems.

• RF and Optical MEMS

This module introduces the use and benefits of miniaturisation in RF and optical Technologies and will investigate improvements in component characteristics and Manufacturing processes.

RESEARCH LINKS/LINKS WITH INDUSTRY

This course was devised in close consultation with the telecommunications industry, and a number of modules are taught by guest lecturers with many years of industry experience.

CAREER PROSPECTS

Graduates can expect to find employment in the fast-developing communications industry, from local-loop service providers to backhaul network companies. You will have advanced skills in the analysis and design of broadband communication systems and components, with a particular emphasis on optical communications. These skills will be immediately applicable in the ever-growing communications industry.

For further course details, please see:

www.bangor.ac.uk/go/pg/electronicengineering

COURSE DURATION

MSc: 1 year full-time.

ENTRY REQUIREMENTS

This degree is aimed at candidates who have gained an Honours degree in Electronic Engineering, Physics or a related scientific discipline, at a 2.ii level or higher or the international equivalent. Applicants with initial degrees in other disciplines will be considered on an individual basis, with the assessment based on the applicant's potential to succeed on, and benefit from, the course.

Applicants from overseas must in addition demonstrate competence in English to level IELTS 6.0 overall and no element under 5.5. An appropriate ELCOS (Bangor University English Language School) pre-session course may be taken to achieve the required English language level.

COURSE DESCRIPTION

This programme aims to provide a broad based Electronic Engineering MSc which will enable you to contribute to the future development of electronic products and services. The course reflects Bangor's highly regarded research activity at the leading edge of electronic engineering. The MSc will provide relevant, up-to-date skills that enhance the engineering competency of its graduates and allows a broader knowledge of electronic engineering to be acquired by studying important emerging technologies, such as, optoelectronics, bioelectronics, polymer electronics and micromachining. The course is intended for graduates in a related discipline, who wish to enhance and specialise their skills in several emerging technologies.

Compulsory Modules:

- **Introduction to Nanotechnology and Microsystems**
This module focuses on the device fabrication techniques at the nano and micro scale.
- **Modelling and Design**
This module focuses on the simulation and design of electronic devices using an advanced software package – COMSOL.
- **Project Planning and Management**
This module focuses on developing tools and techniques for managing projects with an engineering focus.
- **Mini Project**
This module focuses on applying the skills and techniques to a mini project.

Optional Modules typically include:

- RF and Optical MEMS
- Microengineering
- Further Microengineering
- Advanced Optical Communications
- Mobile Communications
- Broadband Communication Systems
- Advanced Sensor Systems
- Microengineering

RESEARCH LINKS/LINKS WITH INDUSTRY

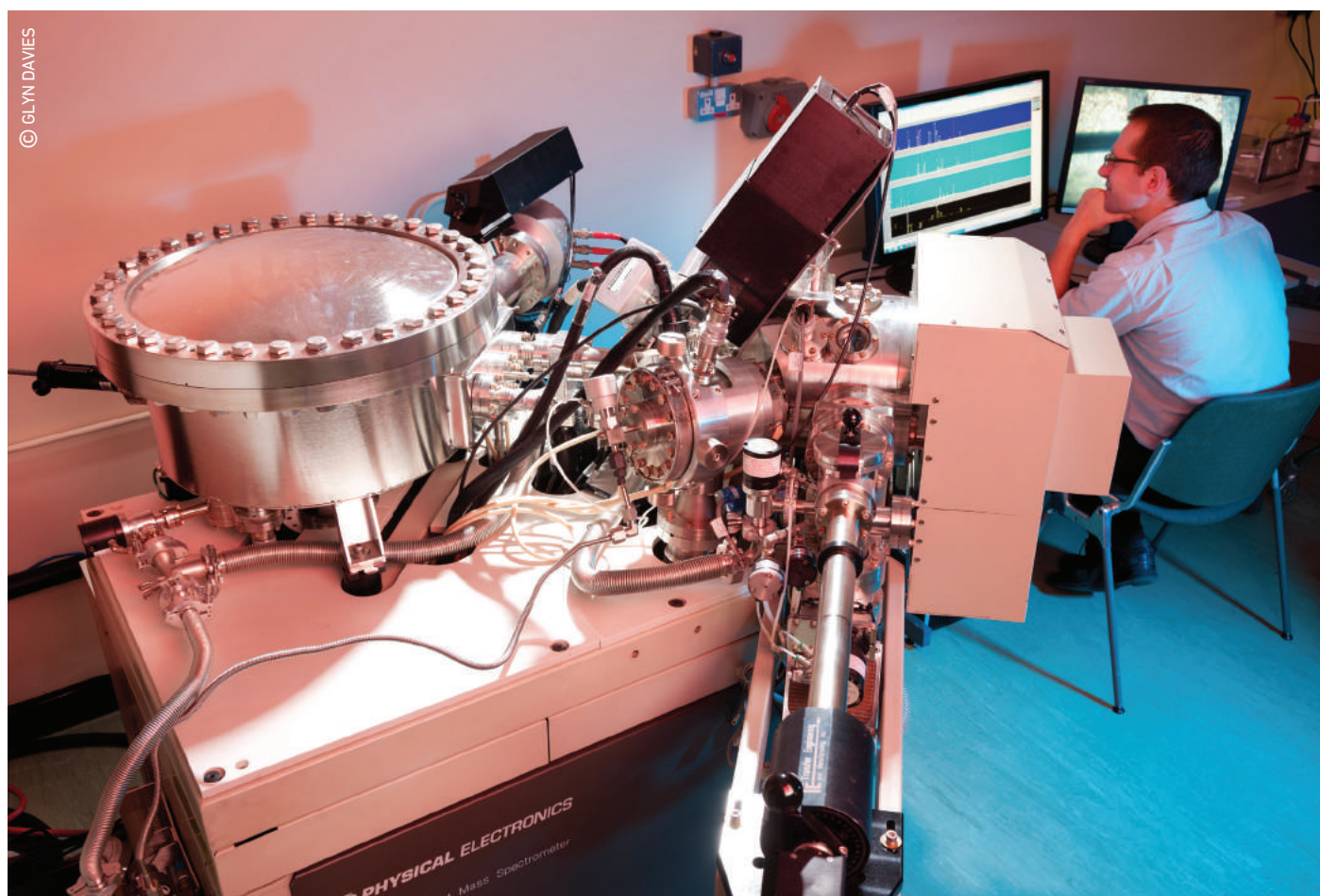
Bangor University recently entered into a strategic alliance with Horizon Nuclear Power and Siemens to work together on providing work placements, research and development opportunities and scholarship programmes for students. These companies both operate near Bangor and the relationship is due to develop over the coming years.

CAREER PROSPECTS

All graduates of this course will have skills and knowledge in the techniques and ideas of modern electronic systems, with a particular emphasis on the influence of nanotechnology on their design. You will also have developed scientific and engineering skills specific to your particular module choices, from the design of multi-million gate digital circuits to modelling communication systems and optoelectronic devices which are of immediate applicability in technical industries.

For further course details, please see:

www.bangor.ac.uk/go/pg/electronicengineering



COURSE DURATION

MSc: 1 year full-time.

ENTRY REQUIREMENTS

This degree is aimed at candidates who have gained an Honours degree in Electronic Engineering, Physics or a related scientific discipline, at a 2.i level or higher or the international equivalent. Applicants with initial degrees in other disciplines will be considered on an individual basis, with the assessment based on the applicant's potential to succeed on, and benefit from, the course.

Applicants from overseas must in addition demonstrate competence in English to level IELTS 6.5 overall and no element under 6.0. An appropriate ELCOS (Bangor University English Language School) pre-session course may be taken to achieve the required English language level.

COURSE DESCRIPTION

We are one of the very few universities in the UK to offer hands-on time fabricating devices in a clean room environment and operator time on laser micro-machining equipment. This course teaches numerate graduates knowledge and skills in the field of nanotechnology and microfabrication. The course takes an immersive approach to learning both the principles and practices of nanotechnology and microfabrication with much of the material based around examples and practical exercises. External examiners have noted the strong practical element both in the MSc project and in the taught part of the course, and have commended that students on this course do significant projects in the clean room.

Compulsory Modules:

• Introduction to Nanotechnology and Microsystems

This module focuses on the device fabrication techniques at the nano and micro scale, as well as introducing some of the diagnostic tools available to test the quality and characteristics of devices.

• Modelling and Design

This module focuses on the simulation and design of electronic devices using an advanced software package – COMSOL.

• Project Planning and Management

This module focuses on the skills required to scope, plan, execute and report the outcomes of a business and research project.

• Advanced Sensor Systems

This module provides you with an understanding of more complex sensor systems and a view of current developments in specific areas of sensor development.

• Mini Project

This module focuses on applying the skills and techniques to a mini project.

• RF and Optical MEMs

This module introduces the use and benefits of miniaturisation in RF and optical technologies. The module will investigate improvements in component characteristics, and manufacturing processes. Applications of RF and optical nano and microsystems will be discussed using examples.

• Microengineering & Further Microengineering

These modules provide an introduction to the rapidly expanding subject of microengineering. The modules investigate clean room-based lithographic and related methods of microfabrication, as well as micro-manufacturing issues for a range of materials such as silicon, polymers and metals.

CAREER PROSPECTS

Students completing this course will have a firm grasp of the current practices and directions in this exciting area and will have the knowledge and skills to enable you to design and build microscale devices. In particular you will have strong numerical modelling skills, with expertise in the newly emerging field of multiphysics modelling. These skills are immediately applicable in the growing number of industries which apply nanotechnology to the design of new products and processes.

Graduates of these courses have gone on to work in various branches of the Electronics industry, for example optical communications and telecommunications companies, government research facilities like GCHQ, and various nanotechnology enterprises, from start-ups to multinational companies. Some MSc students will continue postgraduate study after graduating, going on to PhD and MPhil programmes.

For further course details, please see:

www.bangor.ac.uk/go/pg/electronicengineering

Microwave Engineering / Photonics / Materials Science / Laser Micromachining and Laboratory-on-a-Chip / Optoelectronics and Nanophotonics / Optical Communications / Organic Electronics PhD/MPhil

COURSE DURATION

PhD: 3 years full-time; MPhil: 2 years full-time.

ENTRY REQUIREMENTS

A good honours degree or equivalent is required.

Applicants from overseas must in addition demonstrate competence in English to level IELTS 6.0 overall and no element under 5.5 with a writing score of 6.5. An appropriate ELCOS (Bangor University English Language School) pre-session course may be taken to achieve the required English language level.

COURSE DESCRIPTIONS

Organic Electronics

Research is undertaken into: Synthesising new monomers and polymers for electronic device application; Fabrication of polymer MISFETs, Schottky diodes, LEDs, electrical and optical characterisation of polymers and devices, AFM/EFM/Kelvin probe studies on fabricated devices. Solar cells are studied (including perovskite solar cells and OPVs) with full characterisation equipment including solar simulator, light soaking and EQE. A time-of-flight secondary mass spectrometer (ToF-SIMS) and accelerated lifetime test chambers have recently been purchased.

Electrical Materials Science

Studies of molecular dynamics at nanointerfaces through experimental and theoretical techniques towards smart and structural composites, drug delivery, and electronic devices. Preferred techniques include in-situ/ex-situ synchrotron, laser, and electron spectroscopies as well as

electron, atomic, and helium microscopies. Polymer-derived growth approaches and cathodoluminescence studies of III-V and II-VI systems to unveil point defect behaviour and simulate operative device conditions.

Graphene

Our research at Bangor University focuses on the use of graphene and graphene oxide in the fabrication and characterisation of organic devices such as organic chemiresistors, organic thin film transistors (OTFTs), organic memory devices and organic photovoltaic structures.

Optoelectronics and Nanophotonics

Optoelectronics and nanophotonics research are directed at advancing design and system applications of semiconductor/organic electro-optic devices and nanophotonics/ metamaterial devices including laser diodes, optical waveguides, and solar-energy concentrator.

Laser Micronano-machining and Laboratory-on-a-chip

Research interests include: Laser nanofabrication and surface modifications; Laser cleaning; laser generation of nanomaterials; Laser-Induced Breakdown Spectroscopy (LIBS); Electronic and dielectric properties of biological materials; Electrokinetic manipulation of bioparticles; Biological polymers, enzymes and cells; Microfabrication of biofactory and laboratory-on-a-chip; Medical therapeutics and diagnostics.

Optical Communications

Research interests include: Advanced optical communications systems for long-haul core networks, next-generation high capacity access networks and cost-effective local area networks; Optical networking and future all-optical networks; Optical and electrical signal

RESEARCH LINKS/LINKS WITH INDUSTRY

Some of our students have completed a PhD whilst working within industry with some studying part-time while employed. Students gain invaluable industry experience and the local company is able to take advantage of the latest research.

CAREER PROSPECTS

PhD and MPhil graduates in this field have enviable career prospects. Some students will go on to Postdoctoral positions, and eventually to academic careers. Others will go on to work in the electronics industry, where both their specialist knowledge and their general research and interpersonal skills are equally valued.

For further course details, please see:

www.bangor.ac.uk/go/pg/electronicengineering

IMPORTANT INFORMATION

Bangor University makes all reasonable efforts to ensure that the information in this prospectus is correct at the time of printing (September 2018). This edition of the University's postgraduate prospectus describes the facilities and courses which the University intends to offer during the academic year commencing autumn 2018. The prospectus and web pages are prepared in advance of the academic year to which they relate and every effort has been made to ensure that the information contained in this prospectus is helpful, fair and accurate at the time of printing. However, this information is subject to change over time.

The University makes all reasonable efforts to provide the courses, tuition and learning support, research opportunities and other services and facilities with reasonable care and skill and in the way described in this prospectus. However, the University cannot guarantee the provision of any course or facility. Some circumstances, such as staff changes, resource limitations and other factors over which the University has no control, such as industrial action or a change in the law or the level of demand for a particular programme or module (please note that this list is non-exhaustive), may result in the University having to withdraw or change aspects of the programmes, modules and/or student services and/or facilities detailed in the prospectus. This could include, but not necessarily be limited to, programme/module content, staffing, the location where the programme/module is taught or the manner of teaching delivery, and the facilities provided to deliver or support the programme.

Where circumstances demand an unavoidable change or where it is necessary for the University to discontinue a programme of study, the University will take all reasonable steps to minimise the effect and all proposed changes will be notified to potential applicants who have registered an interest in the relevant programme at the earliest possible opportunity as well as being reflected on the University's website (www.bangor.ac.uk). An individual will be entitled to withdraw from the course by telling the University in writing within a reasonable time of being informed of the change. In addition, any changes between the prospectus and the proposed course and services will be notified to applicants at the time of making an offer. Prospective applicants are encouraged to check our website for the most up-to-date information.

The willingness of the University to consider an application is no guarantee of acceptance. Students are admitted to the University on the basis that the information they provide on their application form is complete and correct.

All prices quoted in this prospectus may be subject to change and you will be notified of any such change when any offer of a place is made to you by the University.

Should you become a student of the University, this notice shall be a term of any contract between you and the University. Any offer of a place at the University shall be subject to the student enrolment conditions and the University's rules and regulations as amended from time to time.

A copy of the University's current terms and conditions can be found online at: www.bangor.ac.uk/terms-and-conditions or obtained in writing from the Academic Registrar, Bangor University, Bangor, Gwynedd, LL57 2DG.

BANGOR UNIVERSITY GWYNEDD LL57 2DG

Tel: 01248 351151

Website: www.bangor.ac.uk

UK/EU PG ADMISSIONS

Tel: +44 (0)1248 383717

E-mail: postgraduate@bangor.ac.uk

INTERNATIONAL PG ADMISSIONS

Tel: +44 (0)1248 382028

E-mail: international@bangor.ac.uk

ENGLISH LANGUAGE AND FOUNDATION COURSES

Tel: +44 (0)1248 382252

E-mail: elcos@bangor.ac.uk

HALLS OFFICE

Tel: +44 (0)1248 382667

E-mail: halls@bangor.ac.uk

MONEY SUPPORT UNIT

Tel: +44 (0)1248 383566/383637

E-mail: moneysupport@bangor.ac.uk

STUDENT HOUSING OFFICE

Tel: +44 (0)1248 382034

E-mail: studenthousing@bangor.ac.uk

PROSPECTUS AND OTHER UNIVERSITY LITERATURE

Tel: +44 (0)1248 383561/382005

E-mail: prospectus@bangor.ac.uk

DYSLEXIA SUPPORT

Tel: +44 (0)1248 382203

E-mail: dyslex-admin@bangor.ac.uk

STUDENT SUPPORT SERVICES

Tel: +44 (0)1248 382024

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