

Southern Water Masters

- Excellence With Industry



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A new style of degree pathway which will get your career off to a flying start is running at the University of Brighton. With a focus on developing knowledge and skills highly relevant to future employment, the Southern Water Masters programme – Excellence With Industry, will provide you with a competitive advantage when seeking a fast-track career.

The programme links the university with some of the UK's most prestigious employers in the water, engineering and construction industries. This has led to the development of a degree path which combines academic study, industrial placements and validated work-place learning in a fully integrated programme.

Southern Water, which has a £1.7 billion capital delivery programme planned for 2010 to 2015, is supported in the delivery of this expenditure by a number of world-class engineering and construction partners. Collectively they have developed the Southern Water Masters programme. These companies include:

Atkins – A multi-national engineering, design and management consultancy

Barhale Trant Utilities – A newly-formed company specialising in mechanical and electrical services with complementary civil engineering skills

Clancy Docwra – A national civil engineering contractor

Costain – An international engineering and construction group

MWH – A global provider of consulting, engineering, construction and management services

United Utilities – Owns, manages and operates water, wastewater, gas and electricity networks

By joining the Southern Water Masters programme, you can gain a Masters Degree (MEng or MSc) in your current specialism with the added benefits of:

- Reinforcing your academic study with industry-based learning
- Developing skills to provide immediate benefit to future employers
- Expanding your learning with advanced business, project management and interpersonal skills
- A guarantee of employment upon graduation (subject to performance criteria)
- Regular income during your studies through bursaries

Why has the Masters programme been developed?

Southern Water and its partners have a vision to be world-class performers in the sustainable delivery of capital work programmes.

To deliver this vision, there is a need for talented and driven graduates who can add value immediately upon starting their careers. Therefore, the Masters programme aims to equip students with the broader skills needed in industry such as project management, business management and interpersonal skills. This will be in addition to the technical knowledge you will gain during your degree.

Who is the Masters programme for?

The University of Brighton offers several master level degrees which will be eligible to be run under this programme.

- Project Management
- Construction Management
- Civil Engineering
- Mechanical Engineering
- Digital Electronics, Computing and Communications

Students currently on any of these courses will be eligible to be considered for the Southern Water Masters programme. The programme runs at Level 3 and Level 4, enabling you to achieve a Masters Degree in your chosen subject. You enter the Southern Water Masters programme in the June preceding your normal Level 3 start, by having successfully completed Level 2 and meeting certain entrance requirements. You remain on the programme until the completion of your Masters Degree subject to satisfactory performance.

Current MEng Masters Degree students: If you are currently at Level 2, studying for a MEng Masters Degree, then you will continue to study for a further two years under the Southern Water Masters programme (four years in total).

Current Bachelor Degree students: If you are currently at Level 2, studying for an Engineering Bachelors Degree, then you will need to switch to a MEng Masters Degree within the Southern Water Masters programme, thus studying for four years in total.

Alternatively, if you are studying at Level 2 for a Bachelors Degree in Construction Management or Project Management, you will need to commit to completing your degree and then continuing your studies for a further year to obtain an MSc.



What will be different about this programme?

We will provide you with a unique learning opportunity. This opportunity will enhance your capability to obtain a Masters Degree and develop skills that you would normally only obtain as a graduate. In turn, this will make you more valuable to future employers and increase your chances of a fast-track career. The key features are:

- Reinforcement of academic learning through structured industry-based learning placements
- Rotation of industrial placements within at least three of these leading companies
- Combination of full-time industrial placements for several months each year plus work-based project assignments.

Additional training in skills normally only provided as a graduate, including:

- Technical
- Business and commercial
- Project / programme management
- Interpersonal
- A mentor programme to ensure that each student is provided support and guidance throughout the two years

Will my degree still be accredited by professional bodies?

Yes. You will gain a Masters Degree in your chosen subject that will be accredited by the relevant professional body. The core learning objectives that you will have gained on a standard degree path will be retained.

Graduate employment opportunities

Each of the companies involved in the Southern Water Masters programme, have annual intakes of graduates. All offer graduate training geared toward developing careers and attaining chartered status. By successfully completing the programme and gaining your Masters Degree you will be offered guaranteed employment with one of the companies. This guarantee will be for a minimum of one year and will be subject to you performing satisfactorily during your industry placements.

The Southern Water Masters programme, is geared towards high-achieving individuals. Therefore, the combination of your talent and valuable new skills will put demand for you at a premium. By having worked through the programme, you will

have developed strong contacts across the organisations. This will put you in a good position to decide which type of company you wish to work for as a graduate and also provide you with opportunities to discuss the progression of your graduate career, even before you finish your final exams.

What is the application process?

Entrance criteria have been set at a high level for this programme. This is because we want to attract talented, driven people who aspire to develop a world-class career.

- Strong performance on your current degree during Levels 1 and 2 (usually above 60 per cent)
- Completion of the Southern Water Masters programme expression of interest form which will be available at the open day in February 2010 or from Chris Knight at the university
- Satisfactory performance at one of our selection days which includes student presentations and panel interviews

Students currently studying at Level 2 are encouraged to apply. Applications are processed in February with the selection day usually held in March. We aim to complete the application process and advise successful candidates by the end of April.

How can I express my interest in joining the programme and find out more?

Follow instructions on the Southern Water Masters programme expression of interest form.

If your application is of interest to us, you will be contacted further to attend an interview. We will also notify those applicants who have been unsuccessful.

Further information

If you would like to discuss the programme further, before completing an expression of interest form, then please call either:

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Southern Water

Southern Water is responsible for delivering clean, fresh water to around one million households in Kent, Sussex, Hampshire and the Isle of Wight.

We also treat and recycle dirty water from nearly two million households.

Southern Water has a £1.7 billion capital delivery service improvement programme planned for 2010 to 2015, equivalent to about £1,000 for every property in the region.

One of our current key schemes is the £300 million wastewater treatment works in East Sussex. The scheme includes a new wastewater treatment works and sludge recycling centre in Peacehaven and an 11km tunnel and associated pumping station to ensure the 95 million litres of wastewater generated every day by the people of Peacehaven, Telscombe Cliffs, Saltdean, Ovingdean, Rottingdean, Woodingdean as well as Brighton and Hove will be fully treated, in line with European quality standards.

An environmentally-conscious business facing the global challenge of climate change, we will be spending more than £30 million working towards mitigating our carbon footprint by ten per cent by 2015 and increasing our production of renewable energy to 20 per cent by 2020.

Over the next five years, we will also be installing water meters for 92 per cent of customers to drive water conservation by helping customers save water, money and energy in a programme being delivered in partnership with the Design Council, World Wildlife Fund and the Energy Saving Trust.

We already maintain the best leakage record per property of any water and wastewater company in the UK and supply some of the best quality drinking water in Europe.

We endeavour to be a good neighbour by supporting the communities and the environment in which we live and have a number of partnerships with wildlife and environmental groups across the region. We continue our work with schools and organisations to raise awareness of water efficiency and knowledge of the world of water.

www.southernwater.co.uk



Costain

Costain is an international engineering and construction company seen as an automatic choice for major projects requiring imagination, initiative and high levels of managerial skill. For more than 140 years we have been at the forefront of UK and international construction.

As we embrace new markets, we continue to implement the unique Costain way, incorporating in-depth attention to detail and service to every contract.

Costain is one of the foremost building and civil engineering contractors in the UK, with a comprehensive regional spread of operations and an outstanding reputation for major projects. Primary markets include health, environment, energy and infrastructure. We have consistently delivered prestigious projects for a variety of clients.

Our current turnover is c. £1 billion and we have c. 2,500 employees in the UK. Current projects include the Bradford Schools Partnership and the design and build element of the Greater Manchester Waste Authority contract, the largest waste services contract in Europe. In addition, Costain is one of the UK's leading solutions providers in the highways sector.

www.costain.com



Atkins

Atkins is a multi-national engineering and design consultancy, providing expertise to help resolve complex challenges presented by the built and natural environment. Whether it's the concept for a new skyscraper, the upgrade of a rail network, the modelling of a flood defence system or the improvement of a management process, we plan, design and enable solutions.

We are the largest multi-disciplinary consultancy in Europe and our size brings significant value to our clients, allowing us to harness an unrivalled pool of creative, professional people to produce outstanding solutions to challenging problems.

We offer a holistic approach to the delivery of schemes across the whole project life cycle. We understand the complexities that govern the water industry and the demands these place on the key players involved. With this understanding we help clients meet regulatory and financial targets, as well as developing solutions to enhance the performance of their infrastructure.

Throughout the entire water cycle we provide assistance from the management of water resources, water treatment and quality, via supply and distribution networks, through to collection, treatment and disposal of wastewater. Atkins delivers technologically innovative and commercially sensitive solutions at all stages, from strategic to operational levels.

We are also committed to sustainability and the management of our water environments, providing advice and strategies to help our clients plan for and mitigate their environmental impacts.

Atkins is ranked in the Top 20 Best Big Companies to Work For by The Sunday Times and was voted Best Environmental Consultancy 2009 at the Edie Awards for Environmental Excellence.

www.atkinsglobal.com

ATKINS



Barhale Trant Utilities

Barhale Trant Utilities (BTU) is a brand new company which was established solely to provide water services to Southern Water. The parent companies Trant Holdings Ltd (Southampton) and Barhale Construction plc (Walsall and London) have over 50 years experience in the construction and utilities industry. They have a wide portfolio of clients and experience which includes:

Clients

- All UK water companies
- States of Jersey and Guernsey
- Network Rail
- National Grid
- EXXON
- Defence Estates (M.O.D.)

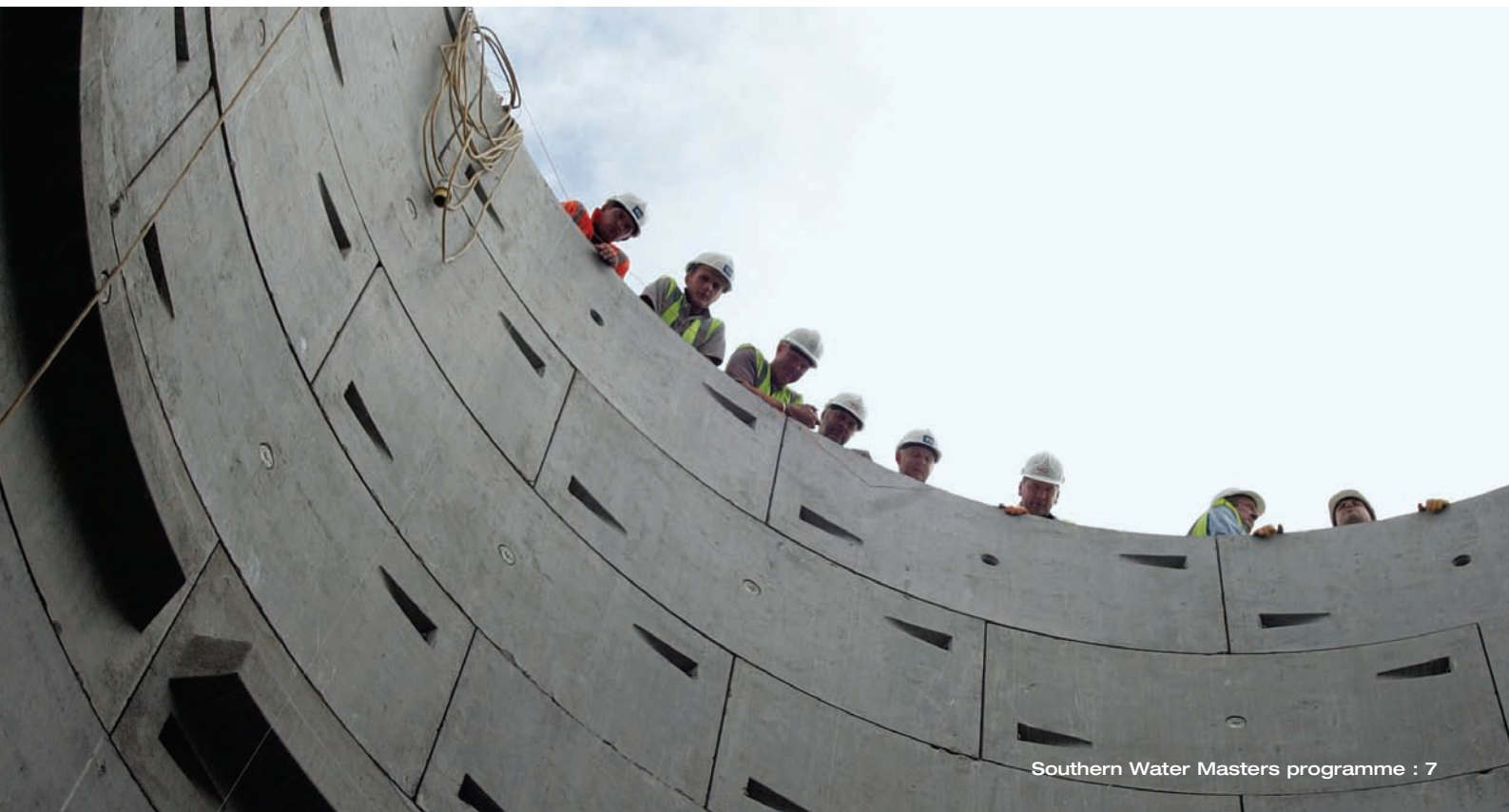
Experience

- Process (Mechanical, Electrical, I.C.A.)
- Pipelines
- Tunnelling
- Transport (rail, airport and roads)
- Marine

BTU has been awarded the Multi-Services Framework (MSF) for Mechanical and Electrical works in the west of Southern Water's region. BTU also has an Open Framework for Sewerage contracts. Both these contracts were awarded in 2009 for a six-year period (AMP4 / AMP5).

We value our employees above all else and working closely with our colleagues at Southern Water we will be aiming to meet the many challenges ahead through effective innovation and always delivering our service on time through maximising levels of communication and co-operation.

www.btu.me.uk
www.barhale.co.uk
www.trant.co.uk



Clancy Docwra

Clancy Docwra is a leading national utilities and civil engineering company delivering 'cutting edge' solutions to the construction industry. The company has three core areas of business – utilities, civil engineering and rail – and employs about 1,800 highly-motivated and experienced people.

With our own offices in Harefield, Dartford, Ealing, Livingston, Dundee and Longham, and also working from our clients' offices and depots across the country, we invest heavily in our people through structured career development programmes.

Our graduate scheme, which is endorsed by the Institute of Leadership and Management (ILM) is not only aimed at engineering graduates, but also those from other business disciplines, such as health and safety, environment, marketing, information services, rail and special projects. We are an Investors in People recognised company and proactively strive to ensure that our people are trained and developed to their highest potential.

The demands on our business in a continually changing market place are vast and in order to continue to deliver the ever increasing expectations of our customer base it is essential that we attract a dynamic, creative and professional workforce for now and the future.

Clancy Docwra delivers innovative solutions in the following construction sectors: water, electricity, gas, rail, civil engineering, infrastructure, special projects and communications.

The company has forged strong and successful relationships, several in a partnering arrangement with many of its clients. These include: Anglian Water, CE Electric, London Underground, Network Rail, Scottish Water, South East Water, Southern Water, Sutton & East Surrey Water, Thames Water and Wessex Water.

www.theclancygroup.co.uk



MWH

Founded more than 150 years ago, MWH has grown to become a global leader in power, water and wastewater. There are now more than 6,000 of us working around the globe on some of the biggest projects around, generating annual revenues of more than \$1billion.

Committed to providing our clients with the best possible service, we're equally passionate about our environment. We are therefore expanding our environmental services business to meet the needs of our planet, too. Each and every one of us contributes something special to our aim of 'Building a Better World'.

You might think that sounds like a pretty ambitious goal. It is but we are an ambitious team with big plans for the future. The future must be sustainable and arguably sustainable development is the greatest challenge the world has ever seen.

At all levels of our business, we are committed to an open culture of development and knowledge sharing. Together we will be 'Building a Better World' and a better career for you.

www.mwhglobal.com



MWH

BUILDING A BETTER WORLD



United Utilities

United Utilities is a FTSE 100 company with an annual turnover of more than £2 billion, employing 9,000 people in water, wastewater, electricity and gas networks.

We invested £3.5 billion between 2005-2010 to improve our utility infrastructure and the environment in the North West of England.

Our customers include Southern Water – where we deliver water and wastewater schemes as part of 4Delivery on behalf of Southern Water's four million customers.

We also have major contracts in the UK with Dwr Cymru Welsh Water, Scottish Water, Northern Gas Networks and Electricity North West.

Overall, we provide utility services to more than 20 million people in the UK and worldwide. We operate utilities around the world providing water and wastewater services through a number of joint ventures in Australia, Bulgaria, Estonia, Poland and the Philippines.

Our vision is simple – to be a world-class operator of utility infrastructure.

www.unitedutilities.co.uk





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Further information

If you would like to discuss the Southern Water Masters – Excellence With Industry programme further, before completing an expression of interest form, then please call either:

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