

What do our graduates say?



UCC

Coláiste na hOllscoile Corcaigh, Éire
University College Cork, Ireland



Civil and Environmental Engineering

School of Engineering,
University College Cork,
Ireland.

Ciarán Dennehy

BE (Civil) 2010, MEngSc (Sus Eng) 2013
Consultant Energy Engineer,
System Dynamics Group.



"I am a Consultant Energy Engineer for an IT consultancy, headquartered in Dublin with offices in London and Edinburgh, called System Dynamics. My role is within the Asset management and Energy Practice of our company. The role involves several areas including IT system integration, Implementation, Optimisation and software development."

"The skill set which was developed through both my BE (Civil) and MEngSc education within UCC played a significant part in allowing me to fulfil the requirements of my role as Consultant Energy Engineer."

Gemma Cremen

BE(Civil) 2014
PhD Candidate, School of Engineering
Stanford University, USA.



"My decision to pursue the BE(Civil) Degree at UCC was undoubtedly the best one I have ever made. The program not only provided me with a sound background in civil engineering itself, but it also ensured I gained valuable skills in a wide range of associated areas, such as mathematics and computer programming."

"In the third year of the degree, I was lucky to have the opportunity to study abroad at the University of California, Irvine, an experience that greatly broadened my civil engineering knowledge and exposed me to exciting areas within the field such as earthquake engineering. Through the project conducted in the final year, I developed an interest in research which ultimately led to my decision to undertake graduate level study."

"The fact that I am currently undertaking that study at Stanford University is testament to the world-class reputation held by the department at UCC and I will forever be grateful to the faculty at UCC for enabling me to take this exciting new step in my career."

Anne Moloney

BE(Civil) 2004, MSc DIC 2010 (Imperial College)
Senior Project Manager, International Bridges,
Rambøll Denmark



"When it came to selecting my university course I was torn between Finance or Civil Engineering. An engineering graduate in the modern commercial banking world actually is an attractive prospective employee as such a degree illustrates a strong analytical mind and ability to solve complex problems. This helped me in choosing engineering over finance as a career path."

"Following graduating I went to work in Dublin for Roughan & O'Donovan where I gained invaluable experience in the design of bridges, old and new. In 2011 I moved to Copenhagen and began working for Rambøll where I am the Project Manager for the Forth Replacement Crossing in Edinburgh, a €1bn project."

"Being a woman in a primarily male dominated profession, for me, has simply opened doors rather than closed them. I can honestly say that while a full time career in Civil Engineering may not be the decision of all graduates upon completion I have found it to be an incredibly diverse and interesting profession."

Dr. Rory Clune

BE(Civil) 2008, SM 2010 (MIT), PhD 2013 (MIT)
Management Consultant,
McKinsey & Company, Boston, MA



"My time at UCC and the degree in Civil Engineering inspired me to continue studying at MIT, where I spent several enjoyable and rewarding years building engineering software and studying structural design. After leaving MIT last year, I went to work for McKinsey & Company, a management consultancy, where I have worked on a range of both engineering and non-engineering projects across the U.S."

"The degree in Civil Engineering from UCC gave me a strong technical grounding and an ability to solve practical problems, which have served me well in both academia and business."

"I chose to study Civil and Environmental Engineering at UCC because I liked the idea of being able to create something new. The great thing about my degree is that it allows me to work in any country I wish."

Shane Luck BE (Civil) 2014
MSc candidate, Newcastle University, UK.

Mitch Cuddihy

BE(Civil) 2010, MEngSc 2012
PhD Candidate, Dept. of Materials,
Imperial College London



"Starting my PhD in Imperial College in the Autumn of 2012, I quickly realised how well equipped I was to take on research at one of the world's premier engineering faculties. The solid engineering principles of the BE Civil degree do not equip one solely for a career in design or construction; the maths, physics and computing studied develop key problem solving and numerical skills that are highly valued in the professional world."

"The degree opens many doors. For example, my PhD research is the study of the fracture fatigue of jet engines, working closely with engineers from a top UK aerospace company."

Robert Wright

BE(Civil) 2014
Graduate Civil Structural Design Engineer,
Malachy Walsh & Partners Consulting Engineers, Cork



"Upon completing my Civil Engineering Honours Degree at UCC I started working with Malachy Walsh & Partners, a well-established consulting engineering firm with offices in Cork, Tralee, Limerick and London. My role is very dynamic with no two days being the same: there is also a nice balance between site and office work, weather depending of course."

"My favourite part of the Civil Engineering course was my final year project; it was based on the famous Shaky Bridge near Fitzgerald's Park in Cork. We made a 3D computer model of this suspension bridge which spans 51 meters across the river Lee and simulated the true behaviour of the bridge, which was captivating. Throughout my time I found the lecturers to be very accommodating and knowledgeable. The skills that I have learnt throughout my time at UCC, both technical and non-technical have put me in an advantageous position as a Graduate Engineer and are proving to be invaluable in the workplace."

Deirdre Clune MEP

BE(Civil) 1980, HDip Environ Eng 1996
Member of the European Parliament

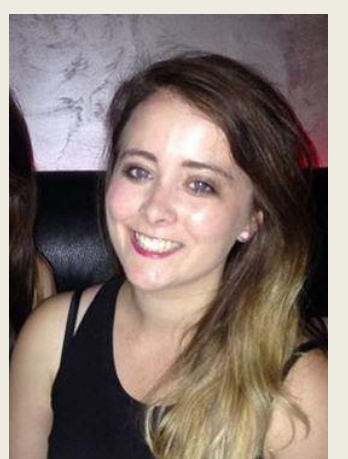


"Graduating from UCC with a BE Civil in 1980, I worked as a Consulting Engineer with Delap and Waller Dublin, Roughton and Partners London and Arup in Cork. I obtained a Higher Diploma in Environmental Engineering in 1996."

"I entered politics and was elected to Dáil Éireann in 1997 and has served in many political roles including Lord Mayor of Cork and a member of Seanad Éireann. I'm currently a member of the European Parliament and a member of the Transport Committee."

Rebecca Galvin

BE(Civil) 2014,
Graduate Structural Engineer,
Clark Smith Partnership Ltd, London.



"I did Engineering because I loved Maths and Design & Communication Graphics (DGC) in school and I always wanted to know how buildings stand up and work. I originally thought I wanted to be an Architect but then realised my understanding of what an Architect does was slightly wrong and then Civil Engineering just seemed right."

"The course itself is by no means easy but with a good attitude, good friends and a good balance of a social life and a study life it's manageable. I've learned so much about not only the practical elements to do with Civil Engineering but also the theory while at UCC and I really feel a lot of what I know is down to the style/calibre of lectures we have at UCC."

I am currently working in London and I am loving every minute of it... even the 1 hour commute to and from work!"

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Seamus Cooke

BE(Civil) 1998

Airline Captain, Aer Lingus

"In 1998 there were 8,000 applicants for 8 Cadet places. Out of that class of 8, 4 were Engineers (2 Civil & 2 Mechanical), 2 Science graduates and 2 Leaving Certificate. Engineering was definitely an advantage as a proven technical aptitude was an advantage given the demanding 18 months of Technical Ground-School and Flight Training in the US that lay ahead."



"The experience of working in design teams and the problem solving mentality fostered during the Engineering Degree have been of significant benefit to my career. Teamwork and strict adherence to formulaic Standard Operating Procedures and Regulations are at the core of our day to day work."

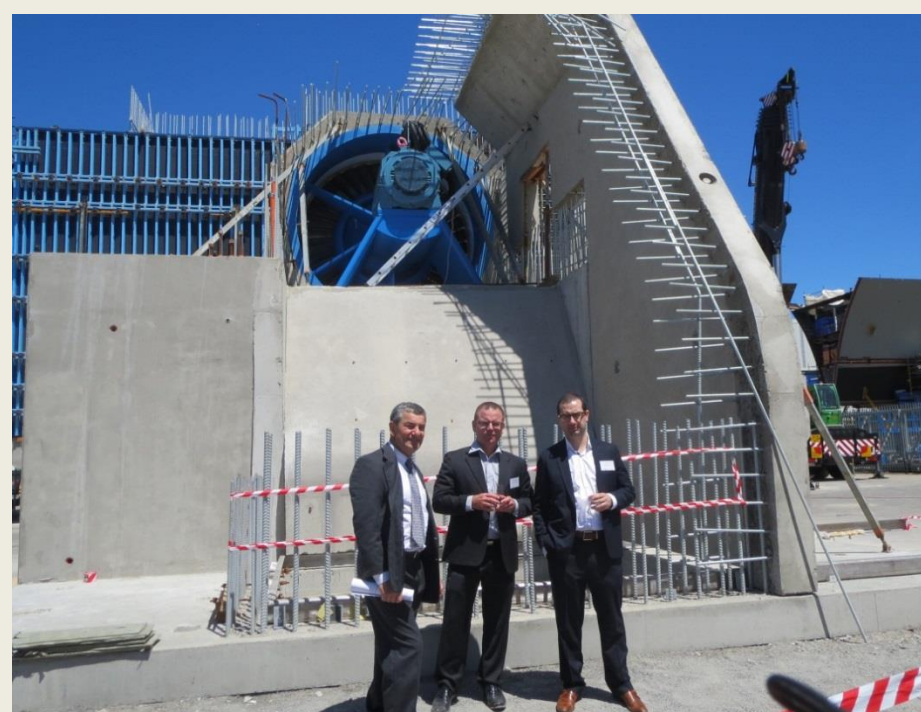
"During our training and testing for Emergency Scenarios in the simulator every 6 months we are presented with various failure situations. Regardless of the type of failure however, it is the same structured method of problem solving that we apply, similar to how Engineering challenges are approached."

"My 4 years in Civil Engineering UCC gave me a great foundation for my career."

Dr. Sean Barrett

BE(Civil) 2002, MEngSc 2004, PhD 2007

Project Analyst
Oceanlinx, Sydney, Australia



"I work as a Project Analyst with Oceanlinx, one of the leading wave energy developers in the world in Sydney, Australia, developing the worlds first 1MW wave energy converter, which will be grid connected in early 2014. My main tasks are wave resource assessment, permitting, community consultation and financial modelling."

Dr. Barrett is on the right of the picture at the construction of the greenWAVE wave energy converter with Joe Misfud of COOE (Oceanlinx environmental consultants) and Scott Hunter, Oceanlinx Chief Engineer.

Dr. Aoife Foley

BE(Civil) 1996, MSc 1999 (TCD), PhD 2011, PGCHET 2013
Lecturer School of Mechanical & Aerospace Engineering
Queens University Belfast

"I don't really know what drew me to Civil Engineering. I suppose I just naturally headed that direction because I enjoyed science and maths in secondary school. Although I also really enjoyed geography, history and languages. I considered many career paths, from medicines, commerce to arts, but I knew I wanted a degree that was flexible. After some thought I figured out that engineering would allow me a flexible career path. As Civil Engineering at UCC is internationally renowned and very well respected by industry and academia, it was a no brainer."

"After graduating from UCC I worked at different levels from graduate engineer to senior project manager in PJ Hegartys, ESB International, Siemens, SWS Energy and PM Group in a diverse range of projects from building bridges, rolling out mobile phones networks and designing high voltage overhead lines and substation."

"Before joining Queen's in 2011 I was both a Lecturer and Environmental Protection Agency (EPA) Climate Change Research Fellow in UCC. In the back of my mind I suppose I always knew I wanted to teach engineering, but I just wanted to get out and build a few things first. I am trying to give back what I got. So now I get to advise the EU on energy matters, train other engineers, collaborate with academics all over the world, and support industry deliver their R&D projects. Every project in engineering makes a difference to society and that's why I love engineering."



Kevin O' Donovan

BE(Civil) 1999, MEngSc 2001

Chief Development Officer
Element Power Ireland, Cork



"Following my graduation in 1999 I was able to develop the interest I had in wind energy by doing a research masters in wind energy in the same department. This was at a time when very little opportunities were available in third level education in Ireland for renewable energy."

"The Dept. of Civil & Environmental was ahead of its time in Ireland and has continued to lead the way in this sector through the development of the energy engineering degree and masters courses. I now find myself targeting graduates from these courses to join our company as I know they will have a very strong grounding in the renewable energy field. My time at UCC is still rewarding me over 10 years later, not just by giving me the ability to work in the exciting renewable energy sector but also through the friends, contacts and social experience I gained in my time there."

Mr. Kieran Barry

BE(Civil) 1978, MB, BCh, BAO (Hons) 1983

Consultant Orthopaedic Surgeon
Bon Secours Hospital, Cork



"Following my graduation with a BE (Civil) in 1973 I went to work in the Cork Consulting Engineering Offices of MC O'Sullivan for the next three years where I was engaged in design and construction supervision of a range of civil engineering projects."

"I entered medical school in UCC in 1978, and graduated with a medical degree in 1983. I specialised in orthopaedics and I am currently an orthopaedic surgeon at the Bon Secours Hospital in Cork."

"A degree in Civil Engineering is an excellent choice as it gives great flexibility in terms of career choice. Civil Engineering graduates are skilled at solving practical and numerical problems, making them highly desirable employees in many industries."

Dr. William Forrest BE (Civil) 2005, PhD 2010 (TCD)
Quantitative Analyst, Paddy Power PLC

Margaret Keohane

BE(Civil) 2011

Business and Systems Integration Analyst
Accenture, Dublin



"After graduating in 2011 I joined Accenture Ireland and I am progressing in a Technology Consulting career path. Technology touches every industry sector in all parts of the world, the opportunities in this area are endless. My current role is in the Resources Industry as a Business and Systems Integration Analyst."

"I work on designing and implementing changes to computer applications. I work with an offshore team in Mumbai, India, and have spent time training in India. The core teamwork and problem solving skills I learnt in Civil & Environmental Engineering have prepared me for the fast paced consulting industry. The Computer Programming and Project Management skills I learnt have been invaluable."

Brendan Daly

BE(Civil) 2011, MSc 2012 (Notre Dame)

Senior Consultant
DayBlink Consulting, Vienna, Virginia, USA



"I was fortunate to be one of 3 students selected nationally to receive a Naughton Fellowship to pursue the Engineering, Science and Technological Entrepreneurship Program at the University of Notre Dame."

On September 1, I moved from South Bend Indiana to Washington DC join a newly established consulting organization called DayBlink Consulting. I was brought in with the goal of advancing the company's operations and strategy consulting practice, and significantly contribute to its rapid growth and success. I was also a key player on an IT transformation strategy project with a luxury hotel company based in New York City. Since joining the company in September 2012 we grew from 3 employees to 10.very quickly."

"As for the Civil and Environmental engineering program at the University College Cork, I believe it gave me a high work ethic, powerful problem solving skills coupled with the ability to synthesis large amounts of information into a clear and concise message."