

# 2022-23

## **ABI DE CARTERET**

Completing my MSc through NTEC was not only an enjoyable personal achievement, but it has helped me professionally in a number of ways. The broad range of subjects offered across the course units allowed me to tailor the course to suit my professional needs as well as my own interests. As a result I have filled some gaps in my technical knowledge, which has enabled me to better understand the product that I work with, as well as broadening my industry awareness and appreciation for other disciplines within the industry. Having this deeper level of understanding has allowed me to demonstrate my competence and capability at work, contributed to a recent promotion, and will no doubt continue to have a positive impact on my career going forwards.

## **ADAM HARTNETT**

The NTEC MSc has supported my progression from the role of Graduate Nuclear Safety Engineer to Nuclear Safety Engineer and most recently to my current position as a Senior Nuclear Safety Engineer. The modules I have studied have enabled me to demonstrate my knowledge and understanding of topics such as Nuclear Safety Case Development and Reactor Physics, Criticality & Design which are of great relevance to my role and can be applied throughout my career within the nuclear industry. My recent graduation and completion of my studies on the NTEC MSc programme has put me in an excellent position to progress further in my career, with a clear route to achieving Chartered Engineer (CEng) status and progressing into more senior positions in the future.

## **SAMUEL QUINN**

The NTEC programme was a fantastic opportunity to gain in-depth knowledge directly from the experts who work to support it; and the skills I've learned have applied directly to the work I've done since completing the course. The administration team was great throughout, providing a lot of advice and information. Overall, NTEC was a very enjoyable course, and it greatly improved my employability within the nuclear industry.

## **ANDREW BEVERLEY**

Just being enrolled on the NTEC MSc course helped me to transition from a manufacturing-based role into one requiring specific Nuclear skills. The modules I have undertaken as part of NTEC have given me a fantastic technical base from which to build my career; as well as many contacts in the Nuclear Industry. Now that I have graduated, I know that the qualification will be a huge support in gaining Chartered Engineer status with the Nuclear Institute.

## **NICK SEIBT**

As an international student, it was important to me to undertake a Masters degree with an international outlook and would be useful wherever I would be in the future, and NTEC excelled at this. It was also great to learn from other international students what their experience leading up to NTEC had been like, and get a glimpse into what their experience of the industry had been from countries all across the globe. I would highly recommend the NTEC Nuclear Science and Technology course to anyone considering a pathway in not just the nuclear industry, but related areas too. Not only will you have the opportunity to undertake an academically challenging and relevant course, but form important professional connections as well as form many great friendships.

# 2021-22

## **SAM LLOYD**

The range of modules taught provide enough variety for anyone who wants to work in the nuclear industry. Every module is taught by a real expert in their field, who deliver the course well providing a real insight into their area of work. This course is perfect for a graduate with an ambition to work in the nuclear industry and was a key reason in helping me land a job as Radiation Shielder. In my short time in the industry, I have come to find that NTEC alumni are everywhere and all share a positive opinion on the course and how it has helped them in their career

## **HASIM KARANIS**

I highly recommend NTEC course. It not only provided me with a deep understanding of the fundamentals of nuclear science, but also equipped me with the skills necessary to excel in this field. The program was challenging and rigorous, but the knowledgeable and dedicated instructors made it an enjoyable and rewarding experience. As a result of completing this program, I was able to secure my dream job in the nuclear industry and I am confident that it will open up many doors for me in the future. Overall, I am extremely grateful for the opportunities this program has given me and would highly recommend it to anyone interested in pursuing a career in nuclear science and technology.

## **GEORGE SWALWELL**

I completed the NTEC Nuclear Science and Technology MSc in 2018 as a full-time student in Manchester. The modular course provided me with real flexibility and balance, with time to work on assignments and study the material in more detail following the compressed learning on each subject, giving a real depth of understanding on these areas. Having the opportunity to study modules at different universities, each with their own speciality and teaching style, is a really engaging experience and it allows you to meet with new people whilst enjoying being in a new city.

## **FELIPE BASAGLIA**

Undertaking the NTEC has been invaluable throughout my career in the nuclear industry. The taught modules complimented my previous knowledge and experience in Chemical Engineering and provided me with increased confidence and understanding in all the roles which I have undertaken. These have included working on engineering projects for new nuclear facilities, plant operations, strategy and technical, Integrated Waste Management (IWM) as well as working for the World Association of Nuclear Operators (WANO).

## **CAITLIN REDHEAD**

NTEC provided me with an in-depth look into a variety of sectors within the nuclear energy industry, allowing me to further understand and develop knowledge in my personal areas of interest. I realised I had a passion for decommissioning and waste management and was able to channel this into my dissertation assignment where I had the opportunity to work alongside CRA and Sellafield for the project that they offered through the NTEC course. This experience within the industry was extremely beneficial for me, especially during my application process for the Sellafield Graduate Scheme due to the complexity of the work that I undertook and the contacts that I was able to make within the field.



# 2019-20

## **JAMES MCINALLY**

NTEC has exposed me to aspects of the nuclear industry that I would be unlikely to work on as a component-biased mechanical design engineer, this has been a great way to grow my breadth of understanding of the nuclear industry and fundamental reactor/system design concepts. As a component designer, this breadth has been useful in understanding the origin of requirements and assessing risk. While balancing full time work and part time study has, at times, been challenging, I have found NTEC to be an engaging and rewarding experience

## **YUZHANG WU**

NTEC provides me with the great knowledge of different parts of the nuclear science and engineering. Courses from different uni was well organised and very lucky to get the chance to study in Prague. It really put me in a competitive position when apply a job in nuclear industry.

## **IOANNIS ALAKIOZIDIS**

NTEC was the best thing that happened to me in 2020, as I got to discover the structure of the Nuclear Industry from its very atomic level. The UK is targeting to achieve net zero in carbon emissions by 2050, and for anyone who wants to be a part of it, NTEC is the best course to begin with. Doing the course, I acquired all the necessary knowledge and skills to undertake a PhD project and become part of the future nuclear experts. The course is also strongly suggested for those who want to work in the nuclear industry straight away, as it is well accredited and known across the country

## **JAMES LARKIN**

The NTEC postgraduate masters at the University of Manchester has provided me with an excellent start to my career within the nuclear sector. I have gained a comprehensive and working understanding of nuclear reactor physics, ionising radiation, reactor materials and much more. The course is uniquely challenging, but there is a wealth of help and support from both the teaching staff and the course administrators to guide you through. The rewards speak for themselves and I couldn't be happier.

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# 2018-19

## **JOHN BILLINGSLEY**

With a wide range of modules, the course is an excellent primer for graduates wanting to pursue a career in the nuclear sector. The course is tailored to give you the vital skills needed in many nuclear-related roles, and provides invaluable opportunities to network within the industry. If I had not taken this course, I would not have had the same opportunities to forge a path into this cutting-edge and exciting industry

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# 2017-18

## **ANDY JAMES**

I was very impressed by the wide range of modules that are available. I was able to take some modules that I thought would be useful for my career and also some modules out of pure interest. Completing the course and gaining a wide insight into other aspects of the nuclear industry has helped me decide the future direction of my career.

## **CLAUDIA BURGOS**

I have worked for the nuclear industry for 11 years in Marketing & Business development roles. For awhile I had tried with no success to change my career into more technical roles, i.e. the execution of nuclear projects. The year I spent attending the NTEC courses in England have allowed me to finally make that change. I just started an assignment working in a technical role in one of Canada's major infrastructure projects, i.e. the life extension of a nuclear power plant. I believe I owe this opportunity to NTEC and so I highly recommend it.

# 2016-17

## DAVID FULFORD

The NTEC has helped reinforced my knowledge of nuclear technologies within my role at BAE Systems, providing valuable insight into the inner workings of nuclear reactors and the pivotal role they play in the energy market.

## SARAH D'LIMA

An MSc through NTEC has helped to further my career; since graduating in 2017 I have been on the nuclear graduates scheme sponsored by Magnox and will shortly be joining Magnox permanently. Without the knowledge I gained through NTEC, I would not have been able to join the industry through a competitive graduate scheme and been able to experience working in a variety of placements including Sizewell A in the Environment team, Magnox Harwell in the Legacy Waste team and at the Department for Business, Energy and Industrial Strategy (BEIS) working on new regulations on public safety in nuclear accidents. An MSc through NTEC has helped open opportunities I wouldn't have been able to pursue with a BSc alone including being runner up for the NSAN Science Graduate of the Year 2019 – thank you NTEC!

## ILA LEE

One of the biggest advantages of NTEC course is that it can provide the lectures by experts in the diverse range of nuclear area. The most important aspects for the international students is that there is a chance that you can come across the interesting subjects with little knowledge or less interest in your home country. Moreover, there is a pleasure to visit different sites in U.K. during the lectures. Also, a number of meetings for the international students are provided to see how well the students manage the school life.

Overall, NTEC course can provide useful information and experience for your future career.

## SEOKRYUNG YOON

I can definitely say that NTEC is a well-organised and structured programme for MSc in Nuclear Science and Technology. I was able to take advantage of various academics and experts from industries during course deliveries. Friendly staff helped me to sort out difficulties that I had while studying at the University of Manchester.

I think that how much and what kind of knowledge you can touch down in the course does not matter because you always absorb new knowledge during your entire career. As a junior professional, I believe, it is important to learn problem-solving and analytical-thinking skills. When you confront an issue in your research or workplace, you should be able to find a solution by yourself or cooperate with colleagues. The NTEC programme encouraged me to cultivate such capabilities. At the end of the course, you will be able to find yourself standing on a firm ground that you can build a successful career.



# 2015-16

## ANDREW YULE

My study through NTEC has been invaluable since I graduated in 2017. It gave me a solid technical foundation in nuclear technology and the combination of short courses and distance subjects gave great flexibility while I was studying. The institutions involved all have fantastic reputations and my degree has been held in high regard across the world. It has really helped my career.

# 2014-15

## SOPHIE JACKSON

NTEC was an invaluable course and due to a visit to BAE Systems in Barrow-in-Furness organised by NTEC, I am currently working as a Nuclear Safety Engineer. I am now organising the BAE Systems visit with NTEC for this year's intake with the intention of inspiring them into the nuclear industry. NTEC gave me the skills and ambition for a career in the nuclear industry and I am so grateful for the course, it opened up a opportunities I didn't know existed'

## BEN EATON

As a Mechanical Engineer with Sellafield Ltd, I have found the content of the NTEC course to be of great value, particularly in terms of broadening in my knowledge in areas which I would have had to wait years to gain. By completing modules ranging from Reactor Physics to Safety Case Development and taking the opportunity to meet professionals, both fellow students and guest lecturers, I genuinely feel i have laid a good foundation for a career in the Nuclear Industry

## LEIGHTON MILLS

From a standing start I initially found the NTEC course challenging, both intellectually (coming from a non-nuclear background) and in fitting it in with my work and home life. Fortunately, the flexibility of the programme enabled me to fit it around everything else and even to defer certain elements when work pressure became too demanding. Though I was following the distance learning route I greatly enjoyed the interaction of several directly taught modules and as communication technology moves forwards, this may be possible with the distance material. The help and support I received from Mel and her team was invaluable.

## SARALYNN THOMAS

I was 100% sure I wanted to do the NTEC course when I heard about it. I'd always been interested in nuclear energy and I struggled getting into the industry with a Bachelor's alone. Enrolling on the NTEC course is the best decision I have ever made in my career to date. The course gave me an excellent foundation of knowledge across a variety of aspects in the industry and I use the skills I gained from the course every day in my role as a Nuclear Safety Consultant. Anyone interested in a career in the industry must consider NTEC as your next career move!

# 2013-14

## **MATTHEW WIGHTMAN**

The NTEC course provided an excellent breadth and depth of knowledge, which has been a cornerstone to my career opening numerous doors for me along the way.

## **MINXIAO ZHONG**

The most important is not only how much you can learn, also how do you change the way of thinking. NTEC gives me opportunity to touch the best nuclear education resource in the world, also a omni-directional improvement including language, vision, knowledge and capacity of independent thinking that makes me different and unique. Compare to other competitors in China, this unique experience is my biggest weapon and very sharp. China is in rapid change to connect with the world, returnees like me will play decisive roles in this change. We are the future.

## **TANIA WILD**

With an undergraduate degree in Mechanical Engineering, I came into the UK nuclear industry with very little understanding of the overarching regulations. I had a basic understanding of security and safety gained from working in the defence industry and my company provided the basic nuclear training, but I still lacked the complete picture. The MSc with NTEC has joined all the dots. It covers all areas from the science and technical aspects, to the regulation and safety that are so important to the industry today, and without these the UK nuclear industry would not be the world leader it is. The content of the course is comprehensive and stimulating, this is delivered by lecturers who are genuinely interested in their subject field and are passionate about passing on their knowledge.

## **ANAS PAUZI**

NTEC was a great program, it was very well organized, the unique course structure gives us great opportunity to travel different places and meet lecturers from different universities and also institutions.

## **DIEGO GONZALEZ CRIADO**

By the time I was working as I am nowadays in the Spanish IDOM company, in the Nuclear department. What is remarkable is that at that time we were about 100 colleagues, while now we are more than 200 nuclear mates working in more than 15 countries and also in the UK, including supporting British companies like MOLTEX. The modules were useful for broadening my mind in terms of how many technologies and disciplines cover the nuclear sector. During this time I was working in France for the new EPR in Flamanville, on a Spanish decommissioning BWR, for overseas research reactors, etc. So, at the end, I would say that every single factor was positive in my career, as it was undertaking my PGCert at the University of Manchester.

# 2012-13

## AHMED AL-ANSAARI

I am now a Nuclear Engineer working with the Emirates Nuclear Energy Corporation. Friends, families and colleagues frequently ask me how did I achieve such status in my career? I proudly reply to them that I was a graduate from the University of Manchester with an MSc degree in Nuclear Science and Technology.

## ANNA BRADLEY

I graduated from the full time postgraduate MSc in 2013. Following the NTEC course I was able to secure an interesting and challenging job within the UK nuclear industry working in decommissioning. This has led to numerous opportunities including a trip to visit geological disposal facilities in Sweden and an international conference at the IAEA in Vienna. It's a really enjoyable way to complete a masters; the module format allows you to interact with both full time students and those already employed in the industry in the UK and abroad, which really enhances the learning and increases your network of contacts.

## KOSS BILLINGHAM

The NTEC course gave me what I needed to get a foot in the door and now I'm doing very, very well. Thanks to Manchester Uni, I've stood on top of a nuclear reactor while it was refuelling, I've seen Cherenkov radiation, I've been in buildings with bits of government owned kit that I'm not allowed to talk about, worked on tanks, fighter jets and various other cool toys, I've done some work in an air traffic control tower, put significant input into the electrification of the east coast main line plan and helped re-write UK defence standards. Hell, I even got to have a few casual conversations with Brian Cox while I was there. The world has really opened up as a result of the year I spent with NTEC and I will be forever grateful. I think the best advice would be to maintain the relationships with the people you study with though, as this is just as valuable as what you learn.

## ALISTAIR KOCH

NTEC absolutely helped me get a job in the industry and further afield!

## MARK DRISCOLL

Overall this was a great course and I'm very pleased to have completed it. The NTEC course is fully geared up for part-time distance-learners like myself, so please don't let this 'unconventional' route deter you. I came to the course from having not had a BSc in Maths or Physics and instead demonstrated suitable training and experience in my previous work background (Royal Navy officer, nuclear submarines) which was sufficient to gain acceptance onto the course. Parts of the course were demanding (especially some of the differential equations and quantum mechanics concepts) but plenty of help was available. I did the course between the ages of 29 and 32 amidst the demands of job and young children; so it's certainly achievable with a bit of application!



# 2011-12

## AMARPREET POONIA

NTEC provided me with the solid foundations to forge a successful career in the nuclear industry by giving me an excellent breadth of technical and functional knowledge, which I practice daily in my current role. It really is an excellent stepping-stone to build on your skills set from your undergraduate course to help forge a successful career within the nuclear industry.

## DATE BENISSAN

There was a very broad portfolio of interesting modules which allow not only applicant with physics background but also from different engineering discipline to discover how their skills and knowledge can be used for the nuclear industry.

It was a great opportunity to learn from not only leading academics /researchers but also industrial specialists working in the industry.

# 2010-11

## EVA GYANE

I completed the NTEC courses besides a demanding full-time job and a big family with three kids (and a dog). For two years, I spent all of my free time on studies and the dissertation. I was able to complete my courses owing to my family's support and understanding. While it was challenging to fit the time needed for studying into my already busy schedule, I was very glad to complete the course and eventually reaped the benefits of my newly acquired knowledge during my job as an IAEA nuclear safeguards inspector.

## CESAR TOTUERO

I attended the NTEC MSc in 2010 and while I was preparing my Project and dissertation I received a job offer from one of the most important nuclear companies in Spain. After 3 years working there I had the opportunity to come back to the UK accepting a challenging job offer in Manchester thanks to my previous experience in the NTEC MSc. Now, 5 years later, I work in a nuclear power plant as a Reactor Engineer.

And in all of those selection processes, for all the hr and technical managers that interviewed me the most highlighted and valuable part of my cv was the NTEC MSc in Nuclear Science and Technology

## CHRIS ANWYL

I used the NTEC MSc to specialise from mechanical engineering into the nuclear sector. Since graduating, I have worked in many different areas of the nuclear industry - from academic research on spent fuel, to manufacturing of next-generation reactors, to government policy and public perception of nuclear technologies - and at every stage, the skills I developed through NTEC have proved invaluable and have given me a great advantage.

I'd recommend the course to anyone who wants to take their career forward in this fascinating industry.

# 2009-10

## ALISTAIR BRAID

The NTEC MSc course greatly furthered my career. Having graduated from Sheffield University with a BSc in Physics in 2008, and failing spectacularly to get a job, my hopes were not too high after graduating from Manchester University in summer 2010 (the height of the recession) with my NTEC MSc.

My expectations couldn't have been more wrong. Within a week of graduating I had a job offer with a nuclear safety consultancy. The NTEC MSc provides students with the skills the nuclear industry vitally needs and therefore this will stand prospective graduates in good stead with regards securing a job where they can apply their learned skills.

# 2008-09

## AZRUDI MUSTAPHA

NTEC was able to illustrate to me the background of the entire nuclear industry as a whole - from health & safety, to reactor design and to the nuclear fuel cycle. Talks from invited speakers gave me the opportunity to understand the global picture ranging from the challenge of climate change, potential nuclear accidents, and the challenge of transmitting information about potential risks of nuclear waste to generations of the future. In my year's I have met and worked with people who have served numerous years in the nuclear industry, but lacked awareness and understanding of the global energy scenario and how nuclear energy fits in and contributes to the big picture. It is this gap of wisdom, that the NTEC programme addresses. My training and qualifications may have put the knowledge in me, but it is NTEC that put the passion in me.

# 2007-08

## KLAUDIO BARI/NASIR HAMODI

The good things in NTEC course was to travel in north and south England and learn interesting modules at different universities and gain a new industrial skills

# 2006-07

## ANNE CHARD

Regarding the NTEC course - it was one of the best things I ever undertook and I am immensely glad I did the MSc. The whole course and the modules I took were invaluable; providing me with a useful depth of knowledge and understanding when teaching decommissioning related modules to apprentices, HNC and Foundation Degree students.