

SOLENT
UNIVERSITY
SOUTHAMPTON

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20
24



Maritime

2024 undergraduate courses





Gold-standard teaching and opportunities

Our focus on practical knowledge and employment opportunities is just one of the reasons we're rated gold in the latest Teaching Excellence Framework (TEF) review from the UK government Office for Students.

TEF recognises excellence in teaching, learning and achieving positive outcomes for students - with gold status awarded only to universities offering outstanding student experience and career outcomes.

TEF
2023

Overall: **Gold**

Student experience: **Gold**

Student outcomes: **Gold**

Teaching Excellence Framework



The maritime industry is the backbone of international trade, offering a great career in a thriving, dynamic industry. Whether you're interested in life at sea or more focused on the shoreside opportunities, there's scope for a huge range of roles and careers across maritime business and shipping.

Hugely respected in the industry, our courses cover subjects such as marine underwriting, maritime law, shipping and logistics, and ship operations – as well as deck, engineering and electro-technical cadetships if you're interested in exploring a career at sea in the Merchant Navy or on superyachts.

With over 70 years of serving the maritime industry, our Warsash Maritime School is known across the industry for the quality of its maritime education and training – at every level, from officer cadets to senior seafarers.

Our teaching staff are mostly made up of current or former seafarers, from a diverse range of maritime backgrounds, offering excellent relationships in the industry, and giving cadets and students unrivalled opportunities for work experience.

And our graduates go on to work as key players in freight-forwarding businesses, shipping companies and port terminals, or rise to senior roles aboard every kind of vessel, from tankers to container ships to luxury superyachts.

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Why Solent?

World-renowned for maritime training

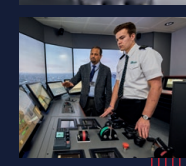
Our Warsash Maritime School is a world-renowned specialist maritime education and training provider, with a long history of excellence and a sterling reputation – as well as a huge network of former students scattered all around the globe.

Access to specialist facilities

State-of-the-art facilities such as our high-tech maritime simulation centre, to aid your practical learning, supported by a team of dedicated technical instructors with industry experience to help provide training on the latest equipment and techniques.

Taught by industry experts

Our academics have extensive professional experience, and many are either still active in the industry or maintain a strong network of professional connections, ensuring our courses remain up to date with the latest developments and theory, as well as industry needs – and allowing you to benefit from guest lecturers who can share valuable insight.



A hub of maritime excellence

As a major international port, one of the UK's largest, Southampton is a hub of maritime opportunities. It's home to global brands such as Carnival, as well as up-and-coming names like Ocean Infinity. The UK government's Maritime and Coastguard Agency (MCA) and Marine Accident Investigation Branch (MAIB) are also headquartered here – not to mention the port itself, run by Associated British Ports.

And Solent University is a central part of both this local network and the wider maritime industry, with strong industry ties and an international reputation – allowing us to attract a range of quality speakers, organise valuable networking events, and create opportunities to visit companies, ports and major maritime organisations.

Real-world experience

Work experience is an important aspect of all our courses, from officer cadets' sea phases to summer placements.

Our Solent Maritime Society helps students to network and prepare for a career in global shipping, while some degree students will also have the option to undertake a work placement year between the second and third years of study, with recent placements including container terminals, port agencies, SAAB and TUV.

Our degree courses

Our maritime courses cover everything from sponsored engineering, electro-technical and deck cadetships, preparing you for a career at sea aboard anything from a container ship to a superyacht, to business-focused degrees and top-ups designed to help you find a great career in the shoreside element of global trade.

Maritime business degrees

BSc (Hons) Maritime Business

If you're looking for an exciting international career playing a key part in global trade, this professionally-focused degree offers the essential skills – and practical problem-solving experience – you need for this fast-moving business environment.

BSc (Hons) Shipping and Port Management

Focusing on the specialist world of ship and port operations, this highly industry-driven course explores everything from maritime law, insurance and logistics to the environmental and economic impact of modern shipping ports.

Professional top-up courses

BSc (Hons) Maritime Management (Top-up)

Designed specifically for qualified seafarers looking to make a successful transition from ship to shore, this course develops the business skills you need for a shore-side career. Based in Southampton, you'll benefit from networking and connections across this major maritime and shipping hub.

BSc (Hons) Maritime Sciences

Designed for certified Officers of the Watch (OOW) looking to add a full academic honours degree to their CV, this specialised maritime course takes an in-depth look at the theory, practice and interconnectivity of navigation, shipboard operations and ship management – and incorporates the underpinning knowledge for the Chief Mate Certificate of Competency (STCW II/2).





Our Warsash Maritime School cadetships

Maritime cadetships are run by our Warsash Maritime School, a world-renowned specialist maritime education and training provider with an exceptional reputation and history within the industry. You'll find graduates of our Warsash cadetships in every part of the industry, in every corner of the globe – so you're in great hands.

Why become a maritime cadet?

- Fully sponsored education and training up to full honours degree level
- Chance to travel and see the world
- Highly competitive starting pay
- Great career prospects
- Unique challenges and responsibility

Becoming an officer cadet

To enrol on an officer cadetship, you apply directly to shipping companies for sponsorship, rather than to the University or through UCAS. Cadetship is like an apprenticeship but it's full-time, and the course fees (and often a living allowance) are paid for by your sponsoring company.

Officer cadet training takes around three years, alternating between time at the University and time at sea on board one of your shipping company's vessels.

At the end of the cadetship, you'll either graduate with a bachelor's degree with honours, a foundation degree or HND academic qualification. You'll also gain a professional qualification – a Certificate of Competency (CoC) as an Officer of the Watch (OOW).

What cadetships are available?

Deck (navigation) officer

Deck officers maintain watches on the bridge at sea and in port. They are responsible for planning and navigation of the ship, cargo and ship stability, communications, and hull and deck equipment. Only deck officers can become the ship's captain (or master), with ultimate responsibility for the safety of the crew, ship, cargo and environment.

Marine engineer officer

Marine engineer officers are responsible for the maintenance and operation of the ship's main propulsion machinery and auxiliary plant. Earning a similar salary to the captain, the chief engineer is in charge of the department and is responsible to the ship's master for its efficient operation.

Marine electro-technical officer (METO)

These specialist officers work within the engineering department, taking responsibility for on-board control engineering and electronic systems, including propulsion control, radio communications and electronic navigation aids.

Find out more

For information on how to find a sponsor and apply for a deck, engineering or electro-technical officer cadetship, visit

www.solent.ac.uk/how-to-apply-cadetship



Our cadetships

We offer three levels of cadetship – HND, foundation and degree. All three offer a combination of on-campus training and time served at sea, and involve a sponsoring company to cover your costs and help arrange your sea time, but on completion of your course you'll receive a different level of academic qualification, alongside professional certification with a Certificate of Competency (CoC).

HND

A professionally-focused course, incorporating additional support with the academic essentials and designed to get your maritime career off to a great start, whatever your background.

Foundation

A two-year course equivalent to two-thirds of a degree, offering you the chance to top-up to a full degree at a later date.

Degree cadetship

Combines your maritime cadetship with the recognised career-enhancing potential of a full academic honours degree.

Marine Engineering

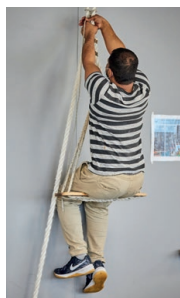
Develop the technical skills and comprehensive practical knowledge of shipboard systems – everything from electrical systems to propulsion or auxiliary machinery – to become a certified Engineer Officer of the Watch and rise through the engineering ranks.

Marine Electrical and Electronic Engineering

Launch your career as a specialist marine electro-technical officer, working with modern ship-board electronic and electrical systems, learning their operating principles and safe practices, and becoming a certified Engineer Officer of the Watch.

Nautical Science (deck)

If you have a sense of adventure and you're looking for a career that's more than the usual '9 to 5', you could train as a navigating officer in the UK's Merchant Navy and travel the world while you work.

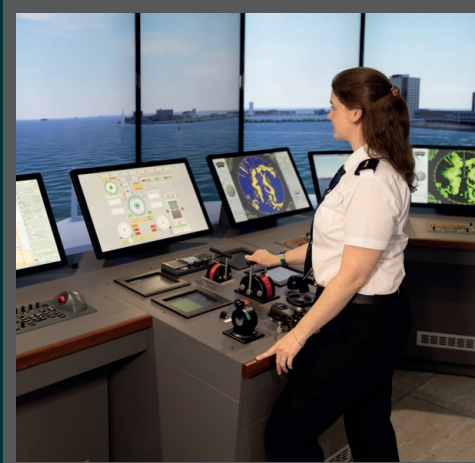




Specialist facilities

Our world-class simulation centre offers access to the very latest facilities:

- State-of-the-art networked 360° bridge simulators.
- On- and off-shore crane operations.
- Built-in ECDIS suites.
- Vessel traffic service and GMDSS radio communications.
- A full-mission engine simulator and high voltage training.

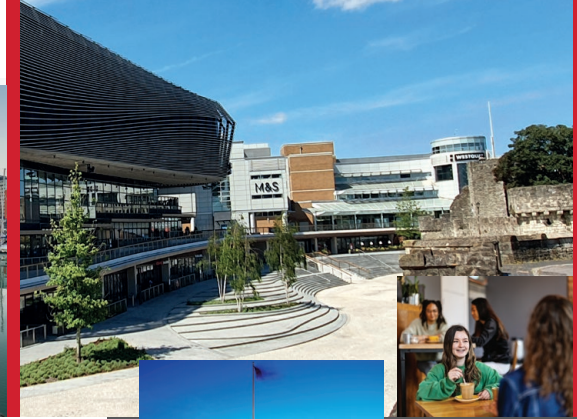


Specialist facilities

- A dedicated ship-handling centre at Timsbury Lake.
- Survival craft facilities, including lifeboats, fast rescue boats, RIBs and lifting equipment.
- A purpose-built live fire training facility with a three-storey steel ship/offshore unit.
- A new Bloomberg business suite, providing real-time financial information.
- Access to helicopter underwater escape trainer (HUET) facilities at nearby Andark Diving and Watersports.



Our great city



With close to 25,000 businesses in knowledge-intensive sectors, employing 163,000 people across the region, we're ideally placed for graduate jobs.

And a substantial proportion of those jobs flow from the maritime sector, whether it's Southampton port itself; the dozens of major shipping and logistics firms which operate here; cruise operators such as Carnival, bringing massive cruise liners and their passengers through the city on a daily basis; maritime tech firms like Ocean Infinity; or smaller businesses running ferries, designing and building racing or luxury yachts, and filling hundreds of other essential niches within the industry.

We're a maritime city through and through.

And we're a city at the heart of a healthy and growing regional economy. Southampton has been one of the top five cities in PwC's Good Growth for Cities index for four years running, and it's home to some of the UK's flagship organisations, including Ordnance Survey and B&Q.

Beyond the city, Hampshire is recognised as one of the most successful economies in the UK – with economic output totalling £50 billion, the largest sub-regional economy in the south-east of England.

We're not all business, though. The city also boasts Championship football, world-class sailing and international cricket. It has a wealth of live music venues, theatres and exhibitions, and was shortlisted for UK City of Culture 2025.

The city's historic walls and old town bring to life Southampton's rich maritime heritage, with major redevelopments complementing this and bringing new leisure, retail and employment opportunities into the heart of the city.

Research

At Solent, research isn't just for academics, or for postgrads and PhDs. Research is for everyone, from undergrad up.

Studying with us, you're part of an active research community – not just learning from researchers in every field, but incorporating that research into your studies.

The way we teach, the practical projects and applied theory you'll be studying? It's informed by the latest research, inspiring and encouraging you to ask questions, investigate problems, propose solutions and create new knowledge. And ensuring you'll be at the forefront of industry thinking when you graduate.

Along with the habits, thinking processes, and curiosity to become a learner for life – evaluating research and industry developments throughout your career – you'll have plenty of opportunities to develop your own research as well, or become a part of a larger project.

Solent students have co-authored papers, worked hand-in-hand with industry on knowledge exchange projects, crewed research films, and even presented their work at the UK parliament.

It's a chance to deliver real-world impact in our communities and our society – and it's open to everyone.

Our areas of focus

Across all of our courses we deliver a unique curriculum shaped around inspiring industrial partnerships, ground-breaking professional insights, knowledge exchange and research, divided into four key areas of focus:

- **Environment and engineering**
Safe and sustainable energy, transport and material systems.
- **Social research and policy**
Improving individual and community wellbeing through practice, provision and policy.
- **Human function and health**
The evaluation of human function, health and the social context.
- **Media, culture and the arts**
Communication, cultural and media studies, creative arts and practice.

Our research

Take a look at some case studies from our recent research work:

Solent is part of the UK National Clean Maritime Research Hub, aiming to accelerate decarbonisation and elimination of air pollution from maritime activity. We're working with our partners to help tackle impacts of the maritime industry across its entire life cycle, from new fuels and efficient operations to the impacts of new technology such as autonomy.

The Sea Traffic Management (STM) Validation project

Researchers on the Sea Traffic Management (STM) project have created a testbed virtual world which connects and updates the maritime industry with real-time data exchange among ships, service providers and shipping companies – laying the foundations of tomorrow's digital infrastructure for the shipping industry.

Zero-emissions high-speed passenger ferries project

This £1.86m project, funded by Innovate UK under the Cleaner Maritime Demonstration Competition, is a collaboration between Solent University, Chartwell Marine and Newcastle Marine Services, to develop an electric hydro-foiling high-speed trimaran capable of carrying up to 40 passengers on short- to medium-length coastal routes.

Working from an original concept by Solent University, the project will build a scaled demonstrator vessel, proving that the concept is viable and can operate in a range of weather and sea conditions.



IGNITE – Intelligent Ship Centre

The IGNITE project is developing a scaled demonstration and training facility for piloting maritime autonomous surface ships (MASS). Working with leading maritime technology experts Wärtsilä, the IGNITE project links our unique manned model ship handling centre at Timsbury Lake and our high-tech maritime simulation centre on main campus.

New research centres

We've also launched two new research centres – the Centre for Marine Sustainability, and the Warsash Maritime Autonomous Surface Ships (MASS) Research Centre – to explore these essential areas of modernisation, sustainability and efficiency within the maritime industry.





Develop your business connections

To get ahead, you'll need more than just the theory. Employers in every industry want experience, practicality and proactive, innovative thinking. So at Solent, that's what you'll get with our industry-led events, guest lectures from professionals and business competitions.

Titans of industry

At Solent, we organise industry events and talks with the titans of industry, including our honorary doctorates and alumni where we cover the big topics of the day including diversity and inclusion, digital transformation, and the future of the business landscape and leadership. The last discussion took us through the history of 5G, as well as a preview into the future and opportunities that 6G will bring with Mark Evans, Chief Strategist at Telefonica.

The Business Pitch

Theo Paphitis, Chancellor of Solent University, and TV 'Dragon', has helped launch 'The Business Pitch' – a new Dragon's Den-style competition for business-minded students and alumni of Solent University to develop a scalable, innovative idea. Those who reach the final pitching process face Theo and a panel of regional business leaders to win a significant investment to put into their business venture.

“So many opportunities are available, and you would be completely foolish not to accept them: placements, networking events, work experience, mentors – the list is endless. I can only recommend the University to everyone I know.”

Business management student
(NSS 2022)

**W^o Wallenius
Wilhelmsen**

**RED FUNNEL
FERRIES**

BRS
Shipbrokers
Since 1856





Atef Abou Merhi

Co-founder and MD, Pelagic Partners

BSc (Hons) Ship and Port Management, 2010

Why did you choose Solent?

The strong, diverse maritime programme that the University offered. I came from abroad after finishing high school, and I had already made up my mind to study shipping in the UK – therefore Solent was a top choice. The cherry on top was the location in Southampton, which by itself brings such a strong maritime heritage.

What were your studies like?

The lecturers brought everything along with them that students might need when it comes to a specialised industry and course. With a very high-paced environment, you could easily get stuck in the past; however, the lecturers were always up-to-date in topic discussions.

I remember picking a few topics out of the Lloyd's List daily newspaper that would turn into a long discussion, with a lot of whys and ifs. People's backgrounds were very diverse, ranging from finance, environmental organisations and ex-seafarers to logistics and operations.

What made the difference was practice versus theory. Back in our day, we had a Navigation and Meteorology module, and the facilities allowed us to use real tools when applying navigation, voyage planning, weather forecasting, and so on. We also had days when we went out to sea on the Solent to give us hands-on experience. Similarly, the live simulations of ship loading helped us learn about stability and other critical items through actual practice. With Solent's recent upgrades and new simulation centres, the course will offer some of the best facilities in the region for students – if not the very best.

What did you learn or study which has stuck with you over the years?

What has stuck with me are all the practical things we studied: navigation, creating routes on real maps, longitude/latitude – and applying them in reality – are things I keep on remembering. In fact, it encouraged me to take further skipper and yachting lessons afterwards!

Other memorable aspects include the visits we had – for example, to DP World Southampton. The company was taking over the port at that time, and being able to visit the facilities and see how huge the operations were still stays with me.

What did you like best about living and studying in Southampton?

Southampton is a city that revolves around its students. The number of students in the city makes it a perfect place to live for studying. It has the calm atmosphere yet boiling spirit of students everywhere. You could see this during the weekend or on nights out. The neighbourhood was always comforting, and the size of the city was ideal.

On the other hand, the location and history of Southampton help in adding value to studying a maritime degree. The international culture and the University's location at the heart of the city give you the best of both worlds.

What did you like best about being a Solent student?

For me, it is no secret that joining Solent was first and foremost due to its strong maritime programme. All my expectations towards learning resources were met, and along with this came the support of the faculty and course leaders. Even after graduation, you could always reach out for support.

What did you take away from your time at Solent University?

Friends and connections – whether fellow students, alumni of the programme or lecturers – are what you get out of it most. I still have solid connections with fellow students, some of which have actually developed into mutual business interests as well. In fact, right before answering these questions I was on the phone with one of my 2010 Solent classmates!

Tell us a little about your career so far.

Like many students in maritime, I came from a shipping background. So after graduation, and after a bit of training, it was obvious that I should join the family business. With all its ups and downs, the first 10 years after graduation were definitely a steep learning curve, which led to interesting new projects and opportunities.

What were the challenges, starting out?

We are the class of 2010, so basically the class that graduated right into the aftermath of the 2008 global financial crisis. It was challenging in all aspects – even joining the family business – focusing on how to sustain, rather than developing proper growth. However, I believe that starting out during this phase made us all stronger.

What do you wish you had known then that you know now?

Don't ever take anything for granted. Learn to keep an open mind on change. And it's your mindset during the tough times that counts.

What are you working on at the moment?

In 2020 I founded Pelagic Partners, which is a regulated ship owning fund and has several hundred million dollars of asset under management in the fleet, including new buildings. The fund, through its various compartments, invests opportunistically in various segments. We have done everything from dry, wet, and offshore/renewable. More info can be found on pelagic-partners.com.

“Maritime is the lifeblood of trade, connecting the world together. It's an industry that creates opportunities and offers daily challenges... it's an exciting rollercoaster!”



Elizabeth Stanley

Deck officer cadet, FdSc Marine Operations (see FdSc Nautical Science)

Passed out 2018

What made you choose Solent's Warsash Maritime School?

I looked at my options, and looked at their reputation – this, for me, was where I wanted to be associated to. I genuinely believe I picked the best place, and the training I've received is unreal – so I'm glad I made the decision I've made. And I live down here now, as I fell in love with Southampton as well.

Who do you work for now?

I work for the Royal Fleet Auxilliary, the RFA. They're part of the navy but not military – we're uniformed civil servants, supporting the Royal Navy in their operations across the world. Providing fuel, ammunition, stores – but more recently we've been doing more humanitarian taskings. The migrant crisis, the hurricane season in the Caribbean...

What was the highlight of your time with us?

To pin down one thing would be difficult. I've met some amazing people – friends, colleagues on the courses. I probably met the best friend I've ever had on this course.

The short courses were good fun, coming to sea for the first time, doing things like sea survival. Having to jump off a 3m board into a pool with a massive lifejacket on, then getting into a circle. Firefighting was incredible too.

All of that put together? It's an experience like no other experience in your life, and I've done this all through work, and with friends – which makes it all one great big amazing memory.

How did you find the teaching?

I've had some incredible experience with my lecturers. They were always there for us, they supported us. I just can't speak highly

enough. They care so much about what they're doing – and because they're from the industry themselves they understand it. They've had that experience, and it makes it so relatable. I'm not the most academic person, but the lecturers helped me because they knew at times I struggled a little bit, and I'll be forever grateful for that.

What work experience have you gained?

We do five phases, with phases two and four spent at sea. Because we're sponsored by a company, the company puts us at sea.

In my first sea phase I flew out to Dubai at the end of January 2016, spent four months on a ship out there, but halfway through we got retasked to help with the migrant crisis out in the Mediterranean.

My second sea phase, I was on a ship in the Caribbean for six months – the standard length of a trip is four months but I opted to extend because... I was in the Caribbean! Why wouldn't I?

We were out there in hurricane season – 20 hours after the first hurricane, Irma, hit, we were there in Anguilla, in the British overseas territories. 24 hours later we were in the British Virgin Islands, 48 hours after that we were in Turks and Caicos, helping them out.

We spent six weeks basically going between the territories, supporting them with water, food, shelter... that's probably the most rewarding thing I've ever done. I can't put into words how proud I am of what we did out there. And it was a whole-ship effort; every person on that ship worked insane hours.

And all through it, we had work-based learning! We had a lecturer back in Southampton we'd speak to who'd support us through that, and I remember emailing saying 'so, slight problem... hurricanes have hit. Struggling to do my work-based learning!' He said 'this isn't an email you get every day!' and he was brilliant actually, really supported me very well.

Back on campus, how did you find the facilities?

As soon as you walked in you could see a lot of effort had been put into making it more advanced – you could see a lot of time and money had been spent on making the rooms the best for us, as cadets – it was a comfortable learning environment, and bright. I can't stand a dull dark classroom. Lots of windows, smartboards.

How did your studies help you prepare for a career in the industry?

I look back now, and the things I've learned... I never thought in a million years I'd be able to get a sextant out, look at a star, take a sight of that star and tell you where our ship is in the world. But I can do that now, I can put that knowledge into practice at sea.

At times there was stuff I thought, oh yeah, I'm never going to use that... but now I'm using it. It's just the joining together of so much information, that lets me think – I'm a qualified deck officer, I know what I'm doing.

Best thing about living in Southampton?

Living in Southampton – I've moved down here permanently, having fallen in love with the city. I've lived in Birmingham and the Isle of Man, and it's made me realise that somewhere like Southampton is perfect. The pace of life, and you've got links all over the country... to places I want to go, to family – I've fallen in love with the city.

Best thing about cadetship?

The people you meet. The experiences you get. I've been part of search and rescue and saved three people. International relief operations for hurricanes, part of support on the migrant crisis... I'd have never got those kinds of experiences in any other walk of life.

“ If anyone ever says to me, would you advise working at sea, I don't even think about my answer. It's always yes. ”





Anne Kristine Berg

National Field and Telesales Manager (Norway), Kuehne + Nagel
BSc (Hons) Maritime Business, 2012

Why did you choose Solent?

I went to high school in Norway, then took a one-year course in market economy at BI Norwegian Business School, before I sent an application to Solent. Solent has a long history of maritime courses and good education programmes. It is also a well-recognised uni in the Norwegian maritime industry. In addition – and not least – I had heard many great things about the environment and the University.

What was the best thing about your course lecturers?

The tutors are a wide range of people, with many different backgrounds, angles and connections. They are very accessible for the students and really put an effort into guiding and mentoring you. Because of that you feel that you are seen and heard, and get the help you need to succeed.

How did your studies prepare you for a career in the industry?

In many ways. I liked that the course was very much up-to-date with the market. The curriculum and assignments always used new and relevant information, and we were always made to look at the market, which is very important in my opinion.

What opportunities were there to get practical industry experience?

After the first year at Solent I got an internship at Golden Ocean (dry bulk) in Oslo, which I worked at during the summer and holidays. That gave me a lot of insight into the business, and of course prepared me – together with the degree – for the market.

Southampton is a relatively small city, with a great student environment and people from all over the world. It is big enough so you do not get bored, but small enough so you get the feeling of community.”

What's your favourite Solent memory?

My gosh! So many good memories – but I think I have to say that the best overall 'memory' is all the great people! I remember standing in the hallway on the first day and we quickly became a huge group of friends, hanging out together from that day onwards.

What was life like as a Solent student?

My life at Solent was great! Moving from Norway to England was a great decision as the UK has a lovely culture. The facilities were great, such a nice place to live near the water, and we all had so much fun together. We studied, spent a lot of time at the library, and after lectures we went on training trips, sightseeing, travelling (partying) and all sorts of fun things!

Did the University give you any help, support or advice when you needed it?

Always – they help you with anything you need. Many students come from different countries and there is a lot to arrange upon arrival. Housing, tuition fees, a bank account, getting around and settling in... they guide and help you. In addition, I really feel that the tutors go above and beyond to help you with your assignments and career path. They really want you to succeed!

Tell us a little about your career so far.

After graduation I still had the internship job at Golden Ocean, and I applied for various other roles. It did not take long before I got a job at American President Line (APL). I started in operations and loved the company. After working there for some years, I was head-hunted by Wilhelmsen for a new position in operations, before I moved over to sales. After that, I joined Kuehne + Nagel and worked in sales and different projects, before I got overall responsibility for KN Sea Freight Norway's activities in Europe and North Africa.

From there I went on to gain a new role as sales manager for field sales for KN Norway, and I am now responsible for 10 people in five different cities! It's highly rewarding to participate in and create a strong team. Together we produce various strategies and solutions for all sorts of locations and clients, working with project logistics, air, road, sea freight and technology.

What were the challenges, starting out?

Being new, uncertain... and being a girl in a very male-dominated business. To be taken seriously you have to have the guts to go for it, and stand your own ground.

Tell us about what you are doing now and what it involves – a typical working day.

A typical working day starts with a sales meeting, where we go through targets, budget and numbers. Then we visit some clients, existing or new, and these can be working with anything from exporting frozen fish to retail import. And located in all kinds of places! I might fly to Rotterdam in the Netherlands, then Bergen on the west coast of Norway, and back to Oslo.

During the course of the day I try to support my employees as much as I can. Motivate, talk and follow up on necessary actions and tasks. We then report directly to the board.

What has been your career highlights so far?

On behalf of KN I was appointed to participate and co-lead a government task force to help get medical equipment from China to Norway. A lot of coordination with air, rail and sea freight, while the Prime Minister was on the phone. Quite cool!

Kuehne + Nagel is an amazing company. They really let people grow and give them chances. I have also given a guest lecture at Høyskolen Kristiana, where it was great fun to meet students.

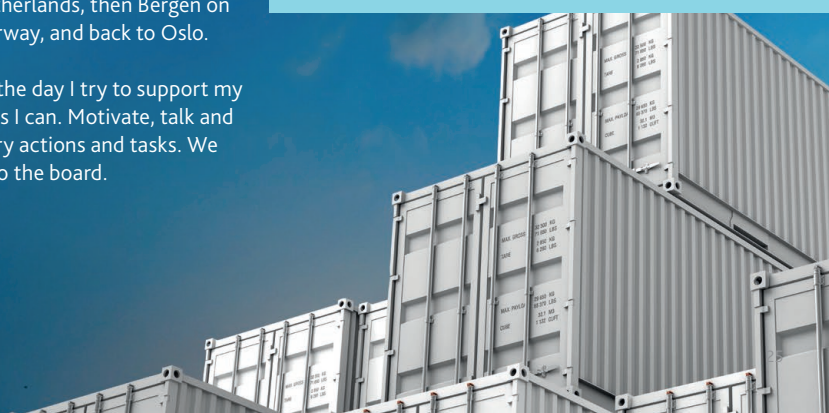
And of course my current job has been a real highlight. Working with so many talented people and getting the opportunity to develop myself as a leader has been a truly amazing experience.

Is the maritime industry what you expected?

It is better than I imagined, with wide-ranging opportunities. You can work in containers, oil, dry bulk, supply chain, general commodity, project logistics, aquaculture... the list is so long! And the sea freight market is never boring! There is never a dull moment and you really have to make sure that your knowledge is up to speed.

What tips would you give to someone wanting a maritime career?

Work hard, stand your ground, network with people, give your best – you never know where you are going to end up. Read the paper, seek opportunities, take chances, shake off setbacks – new opportunities will come. Be progressive and go for it! If you don't ask, the answer will always be no.





Matt O’Crowley

Director, Tanki

Maritime UK Innovation Award, 2020

FdSc Nautical Science, 2013

Tanki

No glue down your loo

Tanki

No glue down your loo

Why did you choose Solent?

I came to Solent as a mature student in 2010, training as a deck officer cadet. Previously I’d been working in the small boat sector – I part-owned the world’s smallest commercially operated paddle steamer, *PS Monarch* – but that business was winding down in order for me to begin my studies.

After running my own business for some years, I’d decided to take up an opportunity that I turned down when I was 16. The Warsash name, with its enviable tradition of excellence, made it the only choice for me.

What was your experience like as a cadet, and as a mature student?

Our cohort ranged from 16 to 40 in age, from a wide variety of experiences and backgrounds. Solent managed us, and supported us to become a cohesive, friendly and challenging bunch. Looking back, it must have taken great skill and insight to get us to that point, and as a result my abiding memories are very much about the people and how we supported and challenged each other to succeed.

And the staff really helped. Each member of the teaching staff brought personal experiences and nuances to the curriculum, which gave us a real head start on the competition and a fabulous overview of the industry that we were striding into.

I’m still in touch with many of the staff, and can’t thank them enough for giving me not only an excellent maritime education, but also the confidence to expand my knowledge of and impact within maritime as a whole.

What was it like studying at Solent?

There is no better place to learn about maritime than in a sea city such as Southampton. Seeing the shipping of the city gliding by every day reminds you why you are there. And Solent always provided everything I needed and more, in a comfortable and collegiate atmosphere.

Mixing with other students, especially when you are doing something as interesting as a cadetship, brought me into marketing, business and other groups. Our conversations and debates are still in my mind as I take my company into international markets and medias. I learned so much from those on other courses – and often from the lecturers when I would bend their ears over a drink!

Solent is a one-stop shop for everything that you could need – any and every question was answered, and sometimes questions would be suggested that you didn’t even know to ask! I am a results-orientated person in business, and I appreciated the focus and motivation given to us by the University.

What’s your best memory from your time here?

I will never forget stepping out onto the fire ground for the first time to pick up my breathing apparatus and walk into a burning metal box... what made it memorable was the fact that the local radio station started playing *Eye of the Tiger* as we stepped out of the changing room – cheesy but very cool!

What have you been up to since graduating?

Since completing my cadetship I’ve been involved in training and development around health and safety from the outset. Solent gave me further knowledge to explore the subject, and my studies have taken me from working onboard ship as a qualified officer to the Middle East and Africa as a safety superintendent, as well as working with offshore windfarms and important subsea survey work.

My favourite story, which I bore everybody with, was a maritime accident investigation that I completed in West Africa. An \$11 million overall loss – which involved blackouts, poor decision making, asset damage and many other things besides – was all caused by a set of faulty 12-volt batteries ordered by head office to save about \$12 on each unit!

It taught me how small decisions can amplify themselves into huge problems – and that is something that I can absolutely say that I learnt to respect from my time at Solent.

How have you found the maritime industry?

The industry is far bigger and more complicated than I could have imagined. There are some incredible people involved in it, from the coatings engineers and chemists all the way to buyers who have to get goods into some of the most difficult parts of the world – it’s an incredible industry and one that could take a lifetime to fully learn.

I have taken my maritime knowledge and applied it to manufacturing, working with a large global organisation as a divisional manager and on to consultancy and auditing work – which eventually led to the formation of my current company, Tanki.

Tell us a bit about your company, Tanki.

My colleagues and I spend a fair bit of time in countries and places where loo roll cannot be flushed as the sewers are not up to the job. Once we found that one of the root causes was lamination glue, it was a quick jump to the marine environmental laws which prohibit the discharge of just one gram of plastic into the ocean.

Considering that a single cruise ship can flush 150 tonnes over the course of a year, we decided that something must be done to close the gap in the market. Despite COVID, a diagnosis of HIV and poor economic conditions, I was able to pull all of my skills and knowledge together to create and manufacture the world’s first fully MARPOL-compliant toilet paper within just 14 weeks.

Unfortunately some shipping companies will buy the very cheapest loo roll – which nobody would choose to use at home – and force their seafarers into using it for half their lives onboard ship. Designed not to block sewage treatment plants, Tanki is as kind to seafarers’ bottoms as it is the environment! It’s a genuine innovation for the maritime industry, and we are enjoying seeing it grow.

What’s your career highlight so far?

Winning the Maritime UK Innovation Award in 2020 – beating a nuclear power station of all things! All of this has resulted in lots of media attention from all around the world, the most exciting for me being a profile piece in *Business Insider* which is read by over 120 million people annually.

Frankly, we are still shocked to have won – the competition was really tough, and we are very humbled that our loo roll could be held in such high esteem. Other people say that we have overcome a much-needed engineering challenge, but for us we have just had fun along the way while meeting and collaborating with some incredible people from the outset.

“As shipping accounts for 90–95 per cent of total global trade, it is one of the most important industries in today’s society, driving financial markets, globalisation and development. In other words, if you want to contribute to enhanced global trade, this is the right course for you.”



Henrik Sollie Klok

Chartering Manager, Western Bulk
BSc (Hons) Maritime Business, 2017

How did university prepare you for your career?

The course consists of a comprehensive collection of units, introducing you to most segments of this wide industry. From weather routing to financial analysis, you are provided with crucial knowledge from various aspects, which you can build upon. The University creates assignments similar to real industry situations and challenges, giving you a 'hands-on' experience within your studies, which definitely prepares you for a career within the maritime industry.

What is your favourite Solent memory?

One of my best Solent memories is our trip to Antwerp and Rotterdam, where we were able to visit the immensely large port facilities, which unveiled the importance of seaborne trade. The trip also strengthened the relationships within our class, which may be something that you benefit from significantly further down the road in your career. Being awarded the degree classification I aimed for is also one of my greatest Solent memories.

Tell us about your career story.

Along with my studies, trying to get as much and as diverse industry insight as possible was my top priority. This allowed me to complete four internships in three years within various industry segments in countries such as Hong Kong, Cyprus and Norway. These internships not only provided me with knowledge and insight, but also enabled my CV to reflect that I was a young and eager student who demonstrated great interest in the industry. I do not believe I would have been called to interview at many of the companies I applied for if it was not for my internships and extracurricular activities at the University, such as the Solent Maritime Society. I believe all the above, combined with my academic background, is why I am employed by one of the largest dry bulk and tanker owners in the world.

I started as a trainee for a company called D/S NORDEN AS, located in Copenhagen. I worked in the dry bulk department, but the company also operated tankers, resulting in a total fleet of about 270 ships. Being a trainee, I was rotated around the various departments within the company. By doing so, one really learned how a shipping company is built from the inside. In addition to working full-time at NORDEN, we were put through a commercial shipping course established by the Danish Shipowners' Association, with modules provided by organisations such as BIMCO. The working days were quite hectic, full of knowledge and learning. You were given a lot of responsibility, which makes you feel that the company really believes in you – something I greatly appreciated.

Tell us about your career highlight.

I think it is hard to find a particular career highlight, but if I have to choose, I would say that receiving my first job offer is my highlight so far. It was a company with a great history and a formidable reputation, and being able to get a position there straight after graduation was beyond my expectations.

What tips would you give to someone wanting to start a career in your industry?

My top tip is to be hungry and show great motivation, while remaining humble. Show employers that you are willing and flexible – something that this industry greatly values due to its international nature. Continuously ask yourself 'Why should they hire me?' – then act in a way that can answer this question. On a final note, there is a saying that I think particularly applies to shipping, which one should always keep in mind: 'Be kind to the people you meet on your way up, because you will meet them on the way down.'

SOUTH COAST

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Part of the South Coast Institute of Technology

Solent University is a leading member of the South Coast Institute of Technology (IoT), a partnership of education providers and industry-leading employers that are working together to develop opportunities for education and employment in the local maritime, engineering, and digital industries.

The Solent region is going through a new wave of growth and innovation focused on the maritime, engineering and digital industries – some of the biggest and most exciting sectors in our region. And that expansion is opening up plenty of career opportunities for talented, highly skilled people like you.

Our highly supported and practical higher technical qualifications, apprenticeships, professional qualifications, and university degrees are developed and taught in collaboration with employers, offering high-quality training, expert teachers, and state-of-the-art equipment and facilities, alongside real-world experience to prepare you for a fantastic career in the maritime, engineering or digital industries.

So if you're looking to live, study and work in the Solent region, explore our range of IoT courses – to unlock your full potential, pursue your dream job and make a positive impact on the world.

We work with well-known employers to deliver the courses the maritime, engineering and digital industries are looking for – industries which are hungry for new, talented leaders, engineers, technologists, technicians and creatives.

Find out more about the South Coast IoT at
www.solent.ac.uk/IoT



Our courses

Cadetships

Course	UCAS tariff points	Includes time at sea	Foundation Year available
HND Marine Electrical and Electronic Engineering	*	Y	-
BEng (Hons) Marine Electrical and Electronic Engineering	104–120*	Y	-
HND Marine Engineering	*	Y	-
FdEng Marine Engineering	48*	Y	-
BEng (Hons) Marine Engineering	104–120*	Y	-
HND Nautical Science	*	Y	-
FdSc Nautical Science	48*	Y	-
BSc (Hons) Nautical Science	104–120*	Y	-

How to apply - cadetships

* To apply for a deck, engineering or electro-technical officer cadetship, you will first need a sponsor company.

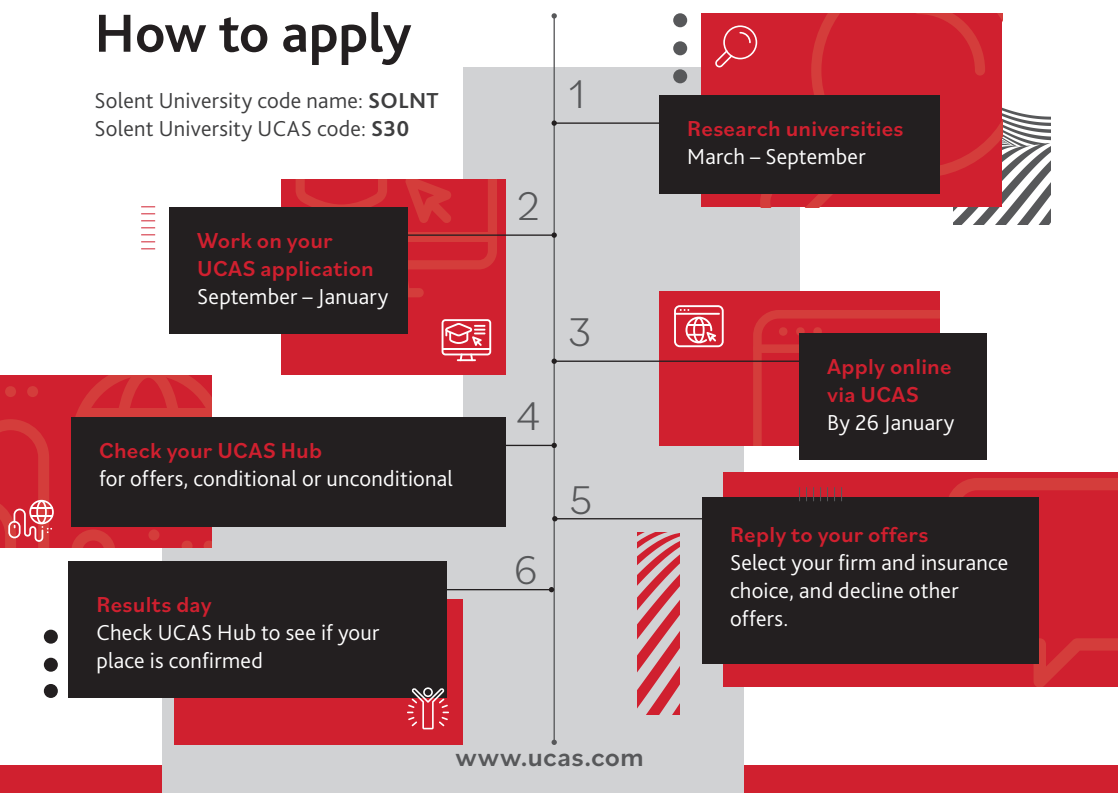
For more information, visit www.solent.ac.uk/how-to-apply-cadetship or contact admissions@solent.ac.uk

Undergraduate degree course list

Course	UCAS tariff points	Work placement opportunity	Foundation Year available
BSc (Hons) Maritime Business	112–128	Y	Y
BSc (Hons) Shipping and Port Management	112–128	Y	Y
Business and Law Foundation Year	48		

How to apply

Solent University code name: **SOLNT**
Solent University UCAS code: **S30**



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Solent University, East Park Terrace, Southampton SO14 0YN

Course enquiries: +44 (0)23 8201 3039

Main switchboard: +44 (0)23 8201 3000

Email: ask@solent.ac.uk

www.solent.ac.uk

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