

## What's Next?

# Nautical Science

Bachelor of Science in Nautical Science

Graduates of Nautical science will generally begin their career as a Deck Officer aboard a ship. They will have a comprehensive education in navigation and other shipboard activities and will have completed 'seaside' requirements during their practical placement. In addition to theoretical studies, students gain practical experience in safety, personal survival, rescue and fire-fighting. All students train with experienced seafarers at the National Maritime College of Ireland and abroad merchant vessels worldwide.



### Transferable Skills

Problem-solving  
Communication – verbal & written  
Interpersonal – intercultural interaction  
Adaptability & multi-tasking  
Teamwork & leadership  
Self-discipline & self-reliance  
Organisation  
Professionalism  
Logical/practical thinker  
Resourcefulness & decision-making.



### Degree-specific Skills

Logistics & passage/voyage planning  
Technological nautical maths  
Electronic systems, radar, navigation, meteorology  
Radio communications training  
Emergency procedures & sea survival  
Personal safety & social responsibility  
Health and safety training  
Fire fighting & first aid training

## Core Skills

## Career Options



Graduates of the Nautical Science Degree will begin their career as an Officer of the Watch or Deck Officer Trainee. The subsequent ranks are Third Deck Officer, Second Deck Officer, Chief Deck Officer (Chief Mate), Master (Ship's Captain) can be achieved through sea-time, further training or education and Department of Transport professional examinations.

Graduates of the full Nautical Studies Level 7 will be qualified as an Officer of the Watch or Deck Officer Trainee on a vessel of more than 500 gross tonnage. Some students will graduate after Level 7 and progress to employment, while others will progress to Level 8 honours & Master Mariner. Further studies are important for progression.

Careers exist on a variety of different ocean going vessels and roles will include ship's officer (from Junior Ranks to Captain): bulk carriers, oil tankers, container ships, cruise and ferry vessels. There are

also careers on specialist vessels, such as seismic and exploration ships, pilot vessels, tugs and mega yachts.

Careers ashore can be achieved through additional training and could include shipping or maritime executive roles in the maritime industry. Roles could involve port work & cargo handling, planning & logistics, Harbour Master, Marine Pilot, Marine Surveyor or Maritime Studies Lecturer.

Several maritime internship opportunities are available and can pave the way to develop an onshore career. Check out [www.maritimecareers.ie/onshore-careers/index](http://www.maritimecareers.ie/onshore-careers/index). In addition, see [www.seacareer.com](http://www.seacareer.com).

**Types of Companies/Employers**

Container Ships, Bulk Carriers, Oil & Gas Tankers, Off-shore Energy, Dredging Companies, Specialist Vessels (Seismic & Exploration Ships, Pilot Vessels, Tugs and Mega Yachts), Cruise Liners, Ferries, Deep Water Berths, Cargo Ships, Port Work.

**Key Irish employers include:** Arklow Shipping Limited, EUCON Shipping and Transport, Norse Merchant Ferries, Stena Line.



**International employers include:** Chiltern Maritime, Maersk Shipping Company (IoM), Shell Ship Management, Holland America Cruise Liners, Carilsbrook Shipping, BP Shipping  
Employers for land based roles include Clarksons, Singapore Port, The European Maritime Agency & BP.

**Useful employer websites:**

Irish Ferries; [www.irishferries.com](http://www.irishferries.com)

Arklow Shipping; [www.asl.ie](http://www.asl.ie)

Irish Mainport Holdings; [www.mainport.ie](http://www.mainport.ie)

The Irish Navy careers web pages; [http://www.military.ie/careers/navy\\_recruits.htm](http://www.military.ie/careers/navy_recruits.htm)

Irish Fisheries Board careers web pages; <http://www.bim.ie/marine/careers.htm>

The British Chamber of Shipping, Careers website; [www.gotosea.org](http://www.gotosea.org)

The Nautical Campus; [www.nauticalcampus.org](http://www.nauticalcampus.org)

Shell Recruitment; [www.ssmlrecruitment@shell.com](mailto:www.ssmlrecruitment@shell.com)



## Starting Your Job Search

Job search takes focus, effort and commitment. It's essential that you know what parts of the job motivates you and matches your skills and interests and to seek roles that will be a good match.

An ideal starting point is to look for Alumni (former graduates of your college/course). You should also look up companies/industries you want to target. Aim to find employees in roles you are aiming for yourself, take a look back at their career journey. Consider LinkedIn or traditional methods to 'follow' people who are where you want to go! Make connections! Don't wait for jobs to be advertised, actively look for roles that interest you.

Graduate programmes are a great career starting point as extra training is provided. A Level 8 degree is the minimum for entry to most programmes. Register with GradIreland: <https://gradireland.com/user>

## Where are NMCI graduates working?

**Company**

Department of Defence

Irish Defence Forces

BP

Princess Cruises

Shell Ship Management

Arklow Shipping

Apple

Atlantic Marine & Aviation Ltd

Havila

BP Maritime Services

An Garda Síochána

Irish Lights

Teekay LNG

Chevron Shipping

Aldi

MNCI

**Job Role**

Gunnery Officer, Irish Navy

Naval Service Officer

Deck Officer

Deck Officer

Merchant Deck Officer

Chief Officer

Apple Care Snr. Specialist & Trainer

Ships Master

Chief Mate

Third Officer

Garda

Sea farer

Third Officer

Officer of the Watch

Area Manager

Further Study.

# Professional Groups & Associations



Membership of a professional association is a useful way to meet new people in your field and will look good on your CV. Many professional bodies have jobs boards and these roles may not be advertised elsewhere.

## Relevant professional bodies include:

Irish Maritime Development Office: [www.imdo.ie](http://www.imdo.ie) Commissioners of Irish Lights: [www.cil.ie](http://www.cil.ie)  
Marine Institute: [www.marine.ie](http://www.marine.ie)  
Department of Communications, Marine and Natural Resources: [www.dcmnr.ie](http://www.dcmnr.ie)  
Irish Institute of Master Mariners: [www.mastermariners.com](http://www.mastermariners.com)  
International Federation of Shipmasters Association: [www.ifsma.org](http://www.ifsma.org)

The Irish Maritime Development Office (IMDO, Ireland): [www.imdo.ie](http://www.imdo.ie)  
The British Merchant Navy Training Board: [www.mntb.org](http://www.mntb.org)  
The British Marine Society: [www.marine-society.org](http://www.marine-society.org)  
International Shipping Federation: [www.careers-at-sea.org](http://www.careers-at-sea.org)  
The Nautical Institute: [www.nautinst.org](http://www.nautinst.org)  
The Irish Navy website  
Irish Fisheries Board  
Dept. of Transport



## Postgraduate Study

Courses for Professional Seafarers; Certificates of Competency (Post Degree) are required under the Merchant Shipping Acts for personnel in positions of responsibility on board ships. NMCI offers preparatory courses for the mandatory certification examinations which are conducted by CIT on behalf of the Department of Transport, Tourism and Sport. Courses for senior or post degree personnel and other short courses are available for those who require to progress from the Officer of the Watch level to the Chief Engineer or Master level of Certificate of Competency.

For further information, go to the 'Further Study Options' section on the Career Information page of <http://www.mycit.ie/careers>. You can also use [www.qualifax.ie](http://www.qualifax.ie) or [www.gradireland.com/further-study](http://www.gradireland.com/further-study) to search for courses in areas of interest to you. For information on Masters' programmes through English in universities across the EU: [www.mastersportal.eu](http://www.mastersportal.eu)

Postgraduate courses can also be completed in various colleges such as Liverpool Maritime Academy (Lairdside Maritime Centre); [www.lairdside-maritime.com](http://www.lairdside-maritime.com). The Marine Society also provides courses; [www.marine-society.org](http://www.marine-society.org)



## Going Abroad

For general career opportunities in the UK see: [www.targetjobs.co.uk](http://www.targetjobs.co.uk); [www.gradjobs.co.uk](http://www.gradjobs.co.uk) and [www.graduate-jobs.com](http://www.graduate-jobs.com). Jobs across the EU can be seen on the EURES website and financial supports are available for relocating to another EU country, **visit: <https://ec.europa.eu/eures/eures-searchengine/page/main?lang=en#/search>**.

If you wish to work in the USA, Canada or Australia, check out work visa requirements first. There are graduate work visas available to the USA, a great opportunity to gain global experience in your field.

### Additional Resources include:

#### International Maritime Employment Sites

**Spinnaker Recruitment** - Dedicated web site for Jobs in Shipping; [www.shippingjobs.com](http://www.shippingjobs.com), **Faststream Recruitment**; <http://www.faststream.co.uk/default.aspx>, **TradeWinds Jobs**; [http://www.tradewinds.no/jobs\\_tw/search.htm](http://www.tradewinds.no/jobs_tw/search.htm), **Lloyds List Careers**; <http://www.lloydslist.com/ll/careers/index.htm>, **Clyde Marine Recruitment**; [http://www.theclydegroupp.com/jobs/cmr\\_vacancies.asp](http://www.theclydegroupp.com/jobs/cmr_vacancies.asp), **ShipTalk**; [www.first4marinejobs.com](http://www.first4marinejobs.com), [www.shiptalkjobs.com](http://www.shiptalkjobs.com); [www.halcyonrecruitment.com/Halcyon/index.asp](http://www.halcyonrecruitment.com/Halcyon/index.asp), **Nautilus** – Database of employers

#### National Recruitment Sites

[www.celticcareers.com](http://www.celticcareers.com), [www.hrm.ie](http://www.hrm.ie), [www.irishjobs.ie](http://www.irishjobs.ie)  
<http://www.circle.ie/default.aspx>, [www.cvprofessionals.co.uk](http://www.cvprofessionals.co.uk) – Merchant Navy CV & Resume Specialists, [www.shipping-connections.com/vacancies.htm](http://www.shipping-connections.com/vacancies.htm)