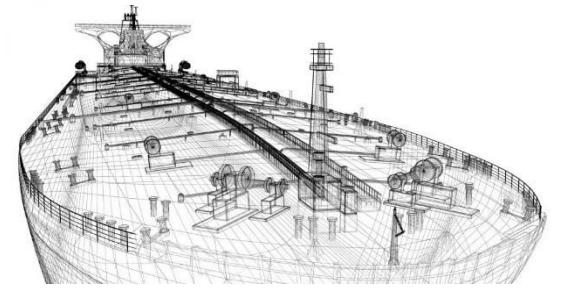




Naval Architect -

Design, construct, refit and repair marine vessels and offshore structures



Entry requirements:

Most naval architects have a degree or postgraduate qualification that is recognised by the Royal Institution of Naval Architects. This would usually be an engineering subject like:

- naval architecture
- ocean, offshore or marine engineering
- ship science
- You may be able to get onto a degree course if you've got qualifications from working as an engineering technician.

Entry requirements

You will usually need:

- 3 A levels, including maths and physics

Registration

a fully qualified naval architect is a member of the Royal Institution of Naval Architects, who is registered with the UK Engineering Council as a Chartered Engineer, Incorporated Engineer or Engineering Technician.

Skills required:

You will need:

- maths knowledge
- knowledge of engineering science and technology
- design skills and knowledge
- knowledge of physics
- analytical thinking skills
- excellent verbal communication skills
- the ability to read English
- knowledge of computer operating systems, hardware and software
- to be able to carry out basic tasks on a computer or hand-held device

What you will do:

Your day-to-day duties could include:

- coordinating the work of engineering design teams
- making sure that designs are safe, seaworthy and cost-effective
- preparing design plans using computer software
- checking and testing specifications using computer simulations and 3D models
- making sure that designs meet operational requirements
- coordinating manufacturing or repair work

What you will earn:

- Starter: £25,000
- Experienced: £65,000

These figures are a guide

Working hours, patterns and environment:

- You could work in an office, at a shipyard, on a rig, on a ship or in a laboratory.
- Your working environment may be at height and outdoors some of the time.
- You may need to wear protective clothing.
- 39 to 41 hours a week with occasional evenings and weekends

Career path and progression:

With experience, you could progress to senior positions. You could become a consultant, providing technical and commercial guidance, support and project management for research, design, construction, refits or conversions.

You could also move into other areas like procurement, sales and marketing.