

MARINE ENGINEER

From naval ships to sailboats to tankers, Marine Engineers are using skills gained through STEM subjects. Following a STEM route will allow you to study specific subjects like Marine Engineering, which will then allow you to access work within that industry!

GAMEPLAY ENGINEER

Everyone loves a good video game, but whose job is it to make them? Gameplay engineers work to design the software programs for video games and the gaming industry is crying out for people who have come from STEM subjects. This could be you!

ASTRONOMER

You'll be looking to the skies, studying stars and planets. Telescopes, both on the ground and in the skies, will be part of your equipment. You will be part of a research team made up of other astronomers, physicists, engineers, and more STEM related careers.

CORPORATE FINANCIAL ANALYST

Want to put your maths and statistics skill to use? Corporate finance is about understanding and regulating the flow of money within an organisation. You could be responsible for all things finance from accounting to budgeting to corporate investment.

Find a career you are interested in and do some research in what qualifications are needed for that career. Discover which institutions offer those qualifications and you will be well on your way!

CAREER FOCUS

We've seen a few careers which are wanting people who have come from a STEM background.

Let's take a closer look at one possible career:

APP DEVELOPER

YOUR DAY-TO-DAY TASKS MAY INCLUDE :

- developing new apps or creating 'mobile-friendly' versions of websites
- working with other developers, designers and copywriters
- designing prototypes to suit client needs

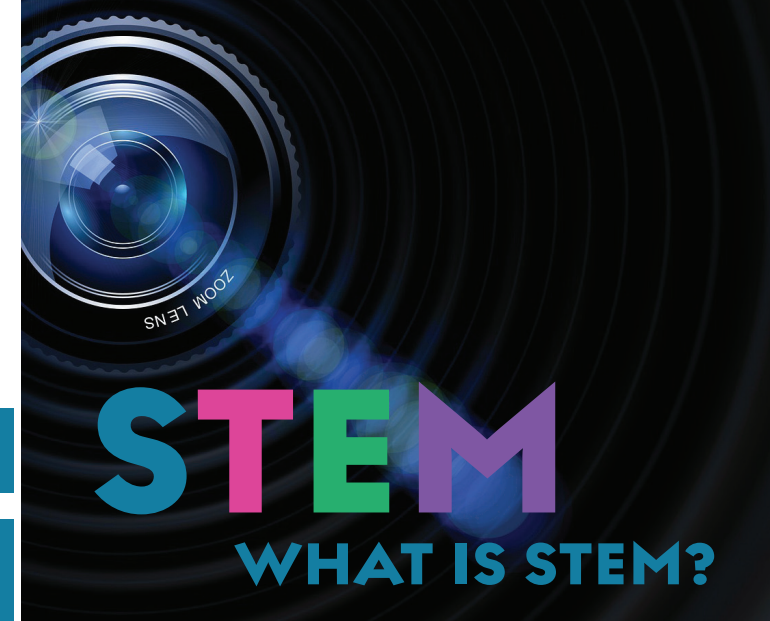
YOU CAN GET INTO THIS JOB THROUGH :

- a degree, foundation degree or higher national diploma in computer science or software development
- a level 3 apprenticeship in software development
- a training scheme with an IT company

SALARY :

- average starter salary: £21,000
- average experienced salary: £55,000

Gaining skills in STEM will help you contribute to real world problems. Will you be the one who helps farmers develop greater crops? Will you help solve the dirty water crisis? Could your work contribute to curing cancer? With STEM, the sky isn't the limit!



STEM stands for:

SCIENCE
TECHNOLOGY
ENGINEERING
MATHEMATICS

and refers to any subjects that fall under these four disciplines.

WHAT ARE STEM SUBJECTS?

You can study hundreds of courses at college and university.

Below are some academic disciplines which fall under the world of STEM:

- Aerospace engineering
- Astronomy
- Biochemistry
- Biology
- Chemical engineering
- Chemistry
- Civil engineering
- Computer science
- Electrical engineering
- Mathematics
- Mechanical engineering
- Physics
- Psychology
- Statistics

“The world of science and engineering is open to everyone - and there is a great variety of jobs all over the UK, at all levels and in lots of surprising environments. There’s no one type of scientist and no single type of engineering.”

WHY STUDY STEM SUBJECTS?

There are opportunities to work in a range of different environments from field work to manufacturing plants, from offices to laboratories, from schools to hospitals, from deep in the oceans to outer space.

However, apart from the variety of careers, why else should you think about a career in STEM?

YOUNG PEOPLE WITH STEM QUALIFICATIONS ARE IN DEMAND IN THE JOB MARKET

72% of all UK businesses rely on people with STEM skills.

58% of all new jobs will be STEM related.

STEM graduates are expected to earn **more money** than non STEM graduates.

STEM CAREERS

Where can studying a STEM subject at college or university lead?

We’ve picked out a few examples:

ROBOTICS ENGINEER

The age of the robot is fast approaching! How about a career as a robotics engineer, designing robots to explore the ocean floor or even the floor of another planet! With automated machines becoming increasingly common in all sectors, this industry’s future is looking very exciting!

ETHICAL HACKER

If you are skilled in computer systems hacking may be for you! Don’t worry ethical hacking isn’t illegal -as an ethical hacker, you’ll knowingly try to hack a company’s computer network in order to help them identify and fix potential security problems. Ethical hackers can earn around £50,000 in the UK.

ARCHITECT

Scientific laws combined with artistic design equals the popular STEAM career of architecture where you’ll create home plans and commercial structures. An Architect’s average salary in the UK can range from £27,000-£35,000