

#TheFutureIsOurChoice

# Charting your career with STEM

Understanding the wide  
range of opportunities  
available with a STEM  
specialisation

**Atos**

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## Introduction

STEM is a term used in education and business for the collective academic subjects of **science**, **technology**, **engineering**, and **mathematics** and merges them to create opportunities to apply these lessons in real life.

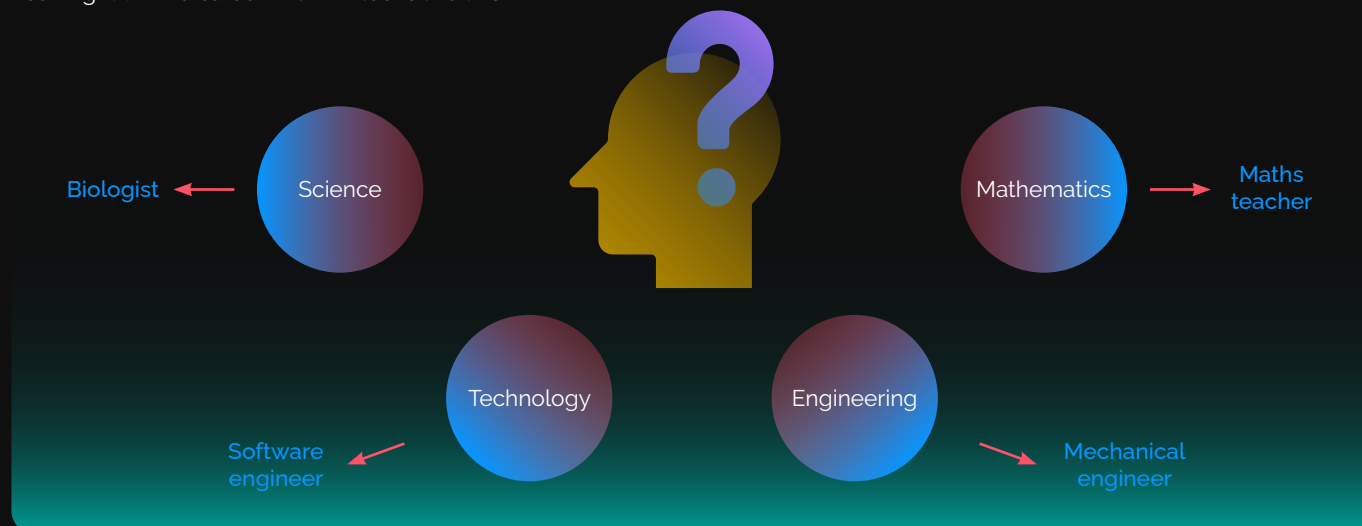
It is estimated that 3.5 million STEM jobs will be needed by 2025, but most of these jobs are projected to go unfilled. STEM subjects are important, as they teach you transferable skills that include critical thinking, problem-solving and teamwork. These skills can be applied to many professions, and can pave the way to a successful and rewarding career.

Atos is the global leader in secure and decarbonized digital with a range of market-leading solutions along with consultancy services, digital security, and decarbonization offerings. We are constantly pushing the boundaries of scientific and technological excellence to ensure that everyone can live, work, and thrive sustainably in a secure information space. With deep roots in the technology space, we recognize the large potential for a career in STEM.

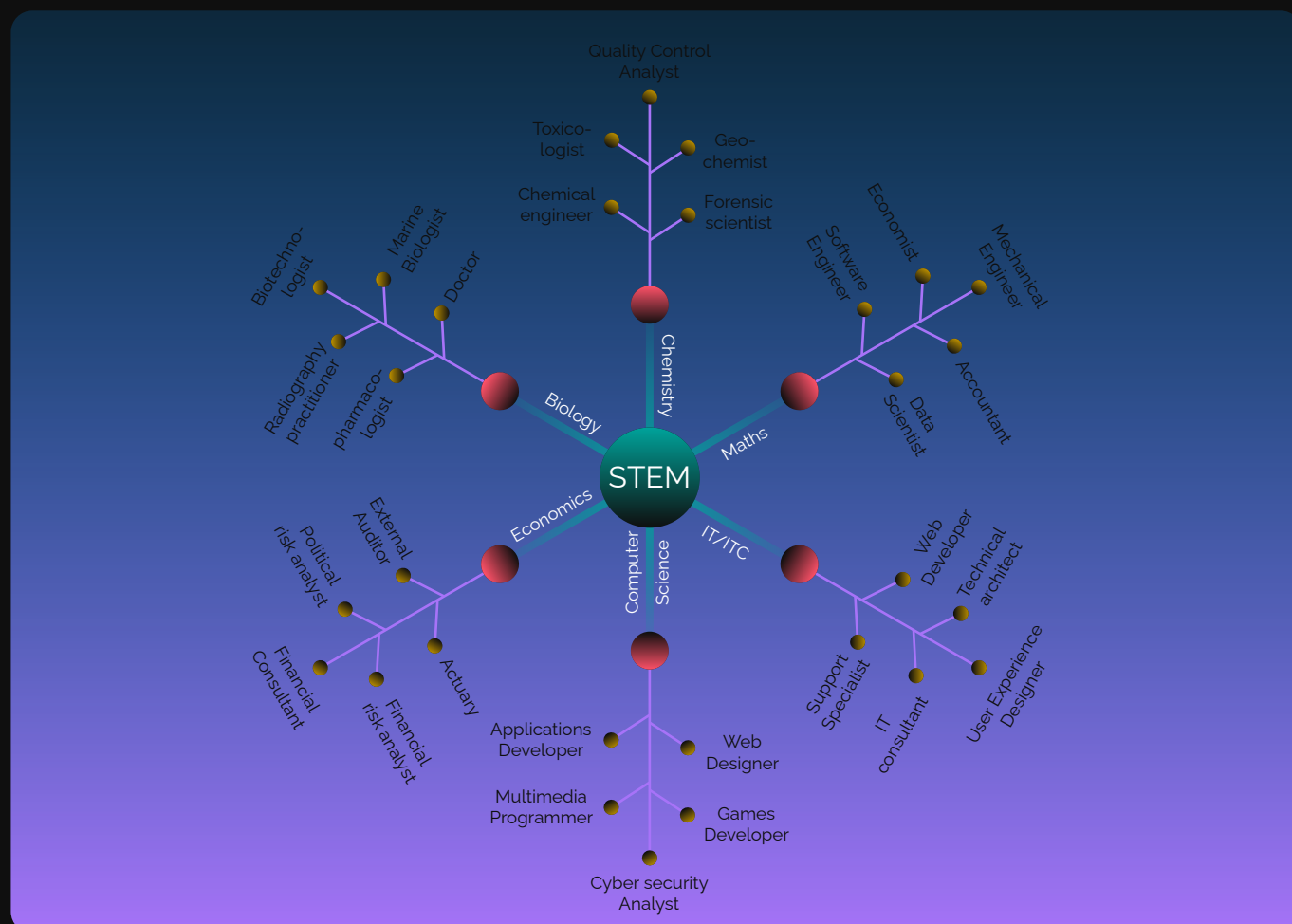
In line with this, we want to encourage the young people who are making decisions about their studies to pursue a career in STEM. There are many misconceptions about careers in STEM and we want to help break these myths and show how a career in STEM can be exciting, versatile and meaningful! We have created this guide to give you a brief overview of what a career in STEM can look like.

# What a career in STEM looks like

You might think a career in STEM looks like this:



However, it looks like this:



# A word from our graduates, interns and apprentices



**Weaam Shawesh**, Project Management Apprentice, GPM Transition and Transformation, Atos

Whilst completing my A-Levels in Biology, Chemistry, Economics and Arabic, I had initially applied to university to study pharmacy and optometry. Despite not being very enthusiastic about them, I applied as I felt a career in science would be a safe option for the future. After being introduced to apprenticeships by a family friend, I realised the endless opportunities available, especially in the tech industry. Project management stood out to me as the skills it required seemed to align with my strengths and so, I decided to apply for it at Atos.

Now, I am currently completing my degree apprenticeship in project management at Atos. One piece of advice I would give to those considering a career in STEM is this: All experience is relevant, it is all about transferable skills!



**Verity Poh**, Graduate Technical Engineer, Data Centres and Hosting practice, Atos

I got my master's degree in Mathematics at the University of Birmingham. I love knowing how things work and trying to solve problems, so STEM was a natural fit for me as a career. I had also been offered a graduate job as a software developer. However, the work environment and company did not suit me, so I applied for a technical engineering role at Atos, and this is my current role. STEM gives you a way of thinking that makes you question and investigate the world around you and applying this to any career will help you succeed.



**Eva Dellow**, Graduate Technical consultant, Engage ESM Technology, Atos

I attended Aston University and studied Electronic Engineering and Computer Science. Upon completing my degree, I decided to go for a career in tech because I love problem solving and taking on new challenges. I now work at Atos as a technical consultant, and I think a career in STEM is fun because the work is so diverse! My advice for pursuing a career in STEM would be to do a year in industry placement at university, as they can really help improve your technical and communication skills in a supportive environment, whatever your degree is in.



**Roshana Chambers**, Account management and Sales Graduate, TMT (Telecom, Media, and Technology), Atos

I studied business and management with a placement year at Aston University. After completing a role in HR for my placement year, I quickly realised that it was not for me and began to research other careers. Despite having little experience in tech, I decided that it was an industry I wanted to work in due to its versatility and flexibility. I came across Atos and decided to apply for the account management and sales graduate scheme as it seemed like a great opportunity, and the job role had a lot of elements that appealed to me: interacting with different people daily. Some advice I would give to anyone thinking about a tech career is to not let your lack of experience discourage you. Just be confident and eager to learn!

As you can see, no career in STEM is the same. Here are some of the things you can experience if you pursue a career at Atos or any other STEM-focused company:



# Useful STEM Resources

Below you will find some resources which can help develop your knowledge on STEM subjects:



**The GCHQ Christmas Challenge** has a series of challenges for all ages. They focus on code-breaking and quick, creative thinking to solve problems. This is a challenge from a company that uses STEM skills across its services.  
<https://www.gchq.gov.uk/news/christmas-card-2021>



The Crash Course YouTube channel and website have some great videos on STEM and non-STEM subjects with accurate and digestible information. It's perfect for a review, or to expand your knowledge on different topics.  
<https://thecrashcourse.com/courses/>  
<https://www.youtube.com/c/crashcourse/>



**Code Academy** is a good introduction to coding in lots of different languages. There are videos and other resources to start coding projects and hone your technical skills. All of this is available with a free registration.  
<https://www.codecademy.com/>



**Khan Academy** is a video-based learning tool, suited for any level of ability and perfect for review or refreshing your knowledge (primarily in mathematics).  
<https://www.khanacademy.org/>



**The Big Bang Fair** (NEC Birmingham) is a STEM convention aimed at young people. It is full of interactive activities with career inspiration and advice from professionals. Registrations are available for both school groups and individuals.  
<https://www.thebigbang.org.uk/>



The **KiwiCo** STEM activity subscription box is available for a wide range of ages. They supply instructions and materials to construct working projects focused on engineering and design.  
<https://www.kiwico.com/>



**Desmos** and **Wolfram Alpha** are free graph and equation visualization tools to help with homework.  
<https://www.desmos.com/>  
<https://www.wolframalpha.com/>



**MyMaths** is an online platform designed to help you develop your mathematical skills.  
<https://www.mymaths.co.uk>

# About Atos

Atos is a global leader in digital transformation with 111,000 employees and annual revenue of c. € 11 billion. European number one in cybersecurity, cloud and high performance computing, the Group provides tailored end-to-end solutions for all industries in 71 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is an SE (Societas Europaea), listed on Euronext Paris and included in the CAC 40 ESG and Next 20 indexes.

The [purpose of Atos](#) is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

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Let's start a discussion together

