

CAREERS NEWSLETTER


This newsletter is a collation of all the opportunities we have heard about from employers and universities. Please use the links included to read more information and apply to anything you are interested in. Links are underlined.

OPPORTUNITIES


The United Nations General Assembly declared in 1999 that **World Space Week will be held each year from October 4th-10th**. World Space Week is an international celebration of science and technology, and their contribution to the betterment of the human condition.

You can view all of the World Space Week events here. You can learn about different people working in the Space industry in these interviews. You can find more information and events by searching #WSW2024 on social media.


If you're considering a career in Space, the following employer opportunities may be of interest to you now or in the future...




The Orbex Internship Programme provides students at different points in their higher education journey the unique opportunity to work across a range of disciplines. The paid placements are expected to last 10 months with the potential opportunity to join Orbex in a permanent role in the future.



Always been fascinated by space? Simply don't understand how a 300-tonne plane can make it into the sky? Maybe it's time to take the Airbus Aerospace programme! We'll go into detail about Space Exploration and how new initiatives help us here on Earth.



As a global company of over 8,000 dedicated people providing technological and scientific expertise, QinetiQ are excited to recruit the most talented and enthusiastic young people to become key parts of our business. Our Early Careers programmes give you the opportunity to be at the heart of impactful projects.



You're never too young to be part of European Space Agency! Check out the ESA Academy page for students.

If you have any questions or need support, please email maria.mainwaring@northoxfordshire-academy.org

JOB OF THE WEEK



Aerospace Engineer

They design, develop, and test aerospace technology, such as aircraft, spacecraft, drones, rockets, missiles, and satellites. They work in a growing field that covers a broad range of disciplines, including aeronautical and astronautical engineering. Watch the video to learn more about working hours, salary and qualifications needed.

LABOUR MARKET INFORMATION FACT

From the Space Organisations reporting a skills gap in their current workforce, **72% have a gap in software & data skills**, significantly higher than any other technical area. This is partly driven by a need for skills in AI & machine learning (41%) and data analysis & modelling (36%).

Source

CAREERS NEWSLETTER

OPPORTUNITIES



[StudentStream](#) brings together video content featuring vital advice, help and expert knowledge from universities and colleges across the UK. Simply use the search function in the top right of the homepage to find the videos that are suitable for you, or select Pre Uni, At Uni, or Post Uni to find a number of different categories to help inform, motivate and inspire you.



[UK University Search](#) have a range of events across the UK and online which aim to connect you with universities, employers and helpful organisations to plan your future. At each of their events, they have a traditional careers fair as well as workshops running throughout the day on a range of helpful topics.



Another place to find upcoming careers fairs and events is the [UCAS events page](#). At a UCAS event, you can talk to unis, colleges, employers and apprenticeship providers to compare all your options side-by-side.



Are you thinking of applying to Oxbridge or a competitive Russell Group course? If so, be prepared to sit an admissions test as part of the application process! [This article from the BetterUniChoices](#) gives a helpful overview and advice regarding Admissions Tests; it covers the universities and courses that require testing and of what the tests consist, including UCAT (Medicine), LNAT (Law), TMUA (Maths) and ESAT (Engineering and Science).



Springpod have launched new Subject Spotlights and 'Try before you Apply' events which aim to help you pick what you want to study at university. Here is an [introductory presentation](#) to help you understand the benefits. You can access them through the UCAS website or Springpod website. If you have no idea what Springpod is, this [step by step guide](#) will help.



Did you know there are loads of careers out there centred around video games? Dive into the world of Competitive Gaming (Esports), during an [insightful Industry Spotlight with British Esports Community Manager, Emma "Emzii" Rose](#).

EMPLOYER SPOTLIGHT

"Ignite your career journey with an unforgettable experience at Airbus! We believe that learning happens with hands-on experience, and guidance from the industry's best. That's why we have built a series of programmes for students leaving school, taking time out to gain some industry experience, or graduating from university!"
Read more about [Airbus careers](#).

UNI SPOTLIGHT

"Studying at Bath means joining our multicultural community on a vibrant, friendly campus in a historic city. We're a university that's well placed to help you succeed, wherever you're from. We're ranked highly for overall performance, student satisfaction, and graduate employment."
Read more about [The University of Bath Courses here](#).

If you have any questions or need support, please email maria.mainwaring@northoxfordshire-academy.org



Where Maths Meets Medicine



Studying maths beyond school can open the door to a variety of different careers and industries. Skills you develop through maths like problem solving are directly transferable to many jobs with powerful applications. **Medical Statistician and Statistical Programmer** are two such jobs.



If you enjoy maths, and would be interested in using your skills to help make a difference to patients' lives, a career in medical statistics could be perfect for you!

Medical statisticians are data analysts who specialise in the analysis of health-related data, particularly in the process of clinical trials. A career as a medical statistician can offer rewarding opportunities such as helping a new medicine become available.



How does a new medicine become available?

Developing a new medicine has many steps and is a process which would not be possible without statisticians. Clinical trials study the effectiveness and safety of medications or medical devices in groups of people.

The new medicine is first tested in test-tubes and animals to check it is safe and might work.

The medicine is tested in patients and data collected to check it works and is safe.

Continued collection of data to check the drug works and is safety in real life.



Target discovery



Preclinical



Phase 1



Phase 2



Phase 3



FDA Approval and Phase 4



Commercial



What are the steps involved for a career in medical statistics?

1

A Levels:

A-Levels with a high mathematical content, such as - Maths, Further Maths, Chemistry, Biology, Physics, Statistics.

2

For both Statistical Programmer and Medical Statistician:

Undergraduate Degree:

Undergraduate degree that has a high numerical content (BSc or MMath).

Statistical Programming (data science) apprenticeship standard (Level 6):

A government scheme funding an alternative to a full-time undergraduate degree.

The scheme enables people with a 3 A levels (including STEM subjects), to study towards an integrated degree whilst gaining hands on experience and a full-time salary. This would give suitable experience for roles as a statistical programmer.

3

For Medical Statistician a post-graduate degree is expected.

Master's Degree or PhD:

As the field of medical statistics is an extremely technical field, you are required to have a master's degree as a minimum (MSc) in Statistics or a closely related field. Some that would be relevant include Medical Statistics MSc, Health Data Science MSc.

Medical Statistician Level 7 Apprenticeship Scheme:

A government scheme funding an alternative to a full-time master's degree.

The scheme enables people with a BSc in a degree with high mathematical content, to study towards an MSc in Medical Statistics whilst gaining hands on experience and a full-time salary.

If you would like to learn more about a career in medical statistics then please visit our website for more information.

psiweb.org/careers/schools-zone



Oxfordshire
CAREERS HUB

CAREERS &
ENTERPRISE
COMPANY

OxLEP
Skills

North Oxfordshire Apprenticeship Fayre



Thursday
10th October
4pm-6pm



A chance to find out more about
apprenticeships at different levels
and in a variety of areas.

at **LOCK 29**