

# SCIENCE IN THE NORTH EAST

From investigating underwater worlds to photographing black holes millions of light years away, science is an amazing area to work in! So many advancements are taking place – everyday new breakthroughs are happening in space, medicine and life sciences, with some even happening in your very local area!!

## REGIONAL STRENGTHS IN SCIENCE



Personalised  
medicine



Advanced  
therapies



Bio-pharmaceutical  
manufacturing



Digital  
health

## REQUIRED QUALIFICATIONS

To start with, you'd need to do your A levels in one or more core sciences, such as biology, physics or chemistry. If A levels aren't appealing, you could do an apprenticeship in science, which you can find here -> <https://www.gov.uk/apply-apprenticeship>.

Either of those initial routes would be the minimum education you need, but depending on the area you want to go into, which role you'd like and the company you're wanting to work for, the next education step will vary; continuing to higher education may be optional or necessary. You can go straight into work after your A levels or apprenticeship, or you can go into higher education and do a degree or a degree apprenticeship.

## REGIONAL UNIVERSITIES

Regional universities can provide amazing UG and PG courses. But if university isn't the route you want to take, Newcastle, Sunderland and Gateshead college offer great apprenticeships!



## NEEDED SKILLS



**PRACTICAL  
SKILLS**



**ORAL  
COMMUNICATION**



**OBSERVING AND  
RECORDING**



**PROBLEM  
SOLVING**

**Task:**  
Can you think of a  
science career for  
every letter of the  
alphabet?