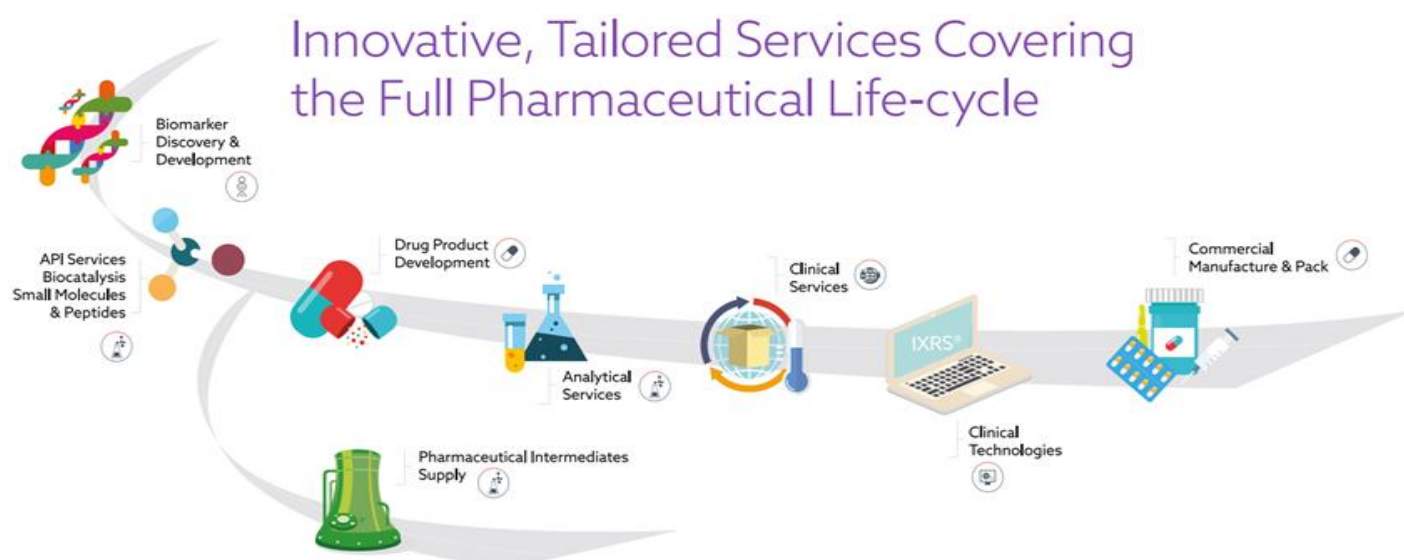


# Exceptional Chemistry Careers with Almac.

## About Almac Group

Almac's mission is to advance human health globally and make a difference for patients around the world. Almac Group is at the forefront of scientific research and development in a number of areas, including drug discovery and cancer diagnostics, putting Northern Ireland firmly on the global map in the fight against illness, particularly cancer.

The Almac Group is an established contract development and manufacturing organisation providing specialised services to Pharma and Biotech clients globally throughout the drug development lifecycle. Almac is a global, privately owned organisation that now employs over 5,600 highly skilled personnel across 18 facilities including Europe, the US and Asia.



**Chemistry** is central to the development and manufacture of medicines. Working in chemistry at Almac you could be involved in the design and synthesis of new drug molecules, the development of safe, scalable processes to make active pharmaceutical ingredients and medicinal products or the analysis and characterisation of active pharmaceutical ingredients and medicinal products to determine their purity, composition, stability and shelf life.



Chemistry-related roles at Almac	Typical qualifications required
<p><b>Medicinal Chemists</b> are involved in the design and development of novel drug molecules at small scale (100mg-1g).</p>	<ul style="list-style-type: none"> <li>• BSc/MChem in Chemistry or Medicinal Chemistry or closely related discipline</li> <li>• Postgraduate research degree in Chemistry (not always required)</li> </ul>
<p><b>Synthetic Organic Chemists</b> perform gram scale reactions and develop processes to make kilogram quantities of Active Pharmaceutical Ingredient (API) safely and efficiently, to the required purity and desired yield.</p> <p>Chemists in Almac's Biocatalysis team develop processes using enzymes as catalysts for the synthesis and large-scale manufacture of pharmaceuticals and fine chemicals.</p>	<ul style="list-style-type: none"> <li>• BSc/MChem in Chemistry or Medicinal Chemistry or closely related discipline</li> <li>• Postgraduate research degree in Chemistry (not always required)</li> </ul>
<p><b>Plant Chemists</b> support the large scale synthesis of API and pharmaceutical intermediates in Almac's manufacturing plant.</p>	<ul style="list-style-type: none"> <li>• BSc/MChem in Chemistry or Medicinal Chemistry or closely related discipline</li> <li>• Postgraduate research degree in Chemistry (not always required)</li> </ul>
<p><b>Formulation Development Scientists</b> blend the API with other ingredients, called excipients, to make drug product such as tablets, capsules, powders and liquids, ensuring that the active ingredient is released as intended to have the optimum therapeutic effect.</p>	<ul style="list-style-type: none"> <li>• BSc/MSc Degree (or equivalent) in a related Scientific/Technical Discipline e.g. Pharmacy/Pharmaceutical Science</li> </ul>
<p><b>Analytical Chemists</b> (Analysts) and <b>Physical Scientists</b> investigate the properties of the API and support formulation development activities. Analytical Chemists working in Almac's Quality Control Laboratories analyse raw materials, in-process control samples (samples taken during the manufacture to check the reaction/process is going as planned), and final product to check that they meet the required quality standard.</p>	<ul style="list-style-type: none"> <li>• BSc in Chemistry/Analytical Chemistry or a Life Sciences degree with a significant chemistry component</li> </ul>
<p><b>Technicians</b> support the smooth running of the analytical and chemistry laboratories by calibrating laboratory equipment, preparing reagents and performing routine analysis.</p> <p><b>Process Technicians</b> support the manufacture of peptides and small molecule APIs/Intermediates.</p>	<ul style="list-style-type: none"> <li>• GCSE (or equivalent) in English Language, Science and Mathematics, grades A-C</li> <li>• A-level (or equivalent) in Science subjects e.g. chemistry</li> <li>• Higher Level Apprenticeship in Applied Industrial Sciences (Chemical Sciences) with Southern Regional College (Analytical Technician roles)</li> </ul>



## What is a career in Chemistry like?



*"A chemistry career at Almac means working at the forefront of science and innovation and learning lots along the way. It's rewarding, exciting and enables you to work with both team members and clients globally. No two days are the same, but each day involves using chemistry and technical knowledge in a creative way to develop medicines that have the potential to make a difference for patients around the world."* **Chris, Medicinal Chemist**

*"A Higher Level Apprenticeship is a brilliant experience. I have developed new skills and increased my knowledge of the pharmaceutical industry. Following my foundation degree with SRC, I then went on to graduate with a Level 6, B.Sc. (Hons) qualification from Ulster University. Working in Almac has given me the confidence to progress and succeed in my chosen career path."*

**Michelle, Analytical Chemist**



Almac is committed to inspiring and investing in the next generation of scientists, engineers and technologists who will continue our mission to advance human health. We support students in their education pathway through a variety of awards and dedicated STEM Outreach initiatives.

**Further information is available on our website:**  
[almacgroup.com/careers/students-educators/](http://almacgroup.com/careers/students-educators/)