



**Level 7** (at end of programme)  
Equivalent to Masters level



**30 months duration**  
depending on prior learning



**£18,000 maximum funding cap**  
available from Apprenticeship Levy

**Targeted for new graduates  
or up-skilling staff with  
Masters level research knowledge,  
skills and behaviours**

## Research Scientist Degree Apprenticeship

Planning, leading and conducting scientific experiments and analysing results across Advanced Therapies.

### Occupation Summary

The broad purpose of this occupation is someone who is primarily involved in planning, leading and conducting experiments and analysing results, either with a definite end use, for example to develop new products, processes or commercial applications, or to broaden scientific understanding in general. They provide scientific and technical leadership, giving a clear sense of purpose and driving strategic intent. They can expect to lead on business critical projects managing the design and implementation of such projects both internally and externally, disseminating findings to internal and external stake holders and making strategic recommendations based upon the findings of the project. They take into account new scientific methods and breakthroughs, identifying longer term opportunities and risks. They will be able to effectively collaborate with both industry and academia, working in multidisciplinary teams, to apply results of research and develop new techniques, products or practices.

### Knowledge:

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- Develop a deep and systematic understanding of their specialist area of expertise.
- Management, leadership and effective communication.
- Understand ethics, regulations and registrations relevant to their sector.
- Advanced knowledge of research methodologies.
- Statistical techniques where appropriate, numerical modelling and data analysis.
- Management of data and entrepreneurial enterprise.
- Development of self and others.

### Skills:

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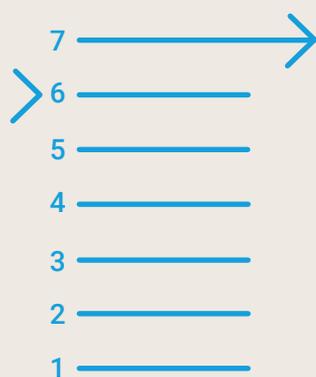
- Apply a range of advanced, new and emerging scientific practices.
- Capture and evaluate data, critical evaluation, drawing conclusions and recommendations.
- Project management and leadership.
- Critical thinking skills.
- Research dissemination.
- Coaching, mentoring and developing others.

### Behaviours:

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- Team working: collaboration, influence and respect for others.
- Flexibility and adaptability.
- Integrity and reliability.
- Stakeholder management.
- Continued Professional Development.
- Planning, prioritisation and organisation: effective time management.

## Levels



Entry | Exit

## Entry requirements

- Typically apprentices will hold a BSc Bachelors degree in a relevant scientific discipline or have considerable research experience and be starting within a research role
- Apprentices without Level 2 English and maths will need to achieve this level prior to endpoint assessment.
- For those with an education, health and care plan, English and maths minimum requirement is entry Level 3.

## Progression routes

- At the end of this apprenticeship apprentices will have achieved masters level research.
- Following successful completion of endpoint assessment the apprentice will operate as a Research Scientist
- The apprenticeship is aligned with professional registration at Chartered Scientist.
- Further apprenticeships and academic learning in management roles would also be open for further professional development.

## Training providers:

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## Training provider analysis

This is a new apprenticeship standard that was designed by Life Sciences Employers and approved for delivery in 2019.

Training provider analysis across Higher Education revealed a number of universities that are specialising in different areas of Advanced Therapies including University of Leeds, University College London, University of Manchester and Aston University. Each provider has a different focus from biopharmaceutical drug development, molecular aspects of cell and gene therapy, manufacturing, design of clinical trials and the regulatory environment.

The Advanced Therapies Apprenticeship Community can support employers setting up the individual apprenticeships with relevant universities, depending on your area of specialist need, and pull the research scientist cohort together.

## Next steps:

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To find out more about this apprenticeship or if you have any questions, email us on [apprenticeshipsinfo@ct.catapult.org.uk](mailto:apprenticeshipsinfo@ct.catapult.org.uk). You can also visit [advancedtherapiesapprenticeships.co.uk](http://advancedtherapiesapprenticeships.co.uk) for more general information.