Step into a career in Clinical Scientific Computing

Level 2
Programme: Level 2 Healthcare Science Assistant Apprenticeship
Award: Level 2 Diploma in Healthcare Science
Funded by: Government Apprenticeship levy
Provided by: Education providers

Level 8
Programme: Higher Specialist Scientist Training (HSST) in Clinical Scientific Computing (Physical Sciences)
Award: CCHSST, DClinSci & eligibility to join the AHCS Higher Specialist Scientist Register
Funded by: NHS England
Provided by: NHS England & Universities

Level 4
Programme: Level 4 Healthcare Science Associate Apprenticeship
Award: Level 4 Diploma in Healthcare Science
Funded by: Government Apprenticeship levy
Provided by: Education providers

Level 7
Programme: Level 7 Bioinformatics Scientist Apprenticeship
Award: MSc Bioinformatics
Funded by: Government apprenticeship levy
Provided by: Universities

Level 7
Programme: Level 7 Postgraduate Certificate in Clinical Data Science
Award: Postgraduate Certificate in Clinical Data Science
Funded by: NHS England
Provided by: University of Manchester

Level 7
Programme: Scientist Training Programme (STP) in Clinical Scientific Computing
Award: CCSTP, MSc Clinical Science & eligibility to join the HCPC register as a Clinical Scientist
Funded by: NHS England
Provided by: NHS England & Universities

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Level 2 Healthcare Science Assistant Apprenticeship providers
- Association of Health Professions in Ophthalmology
- Barnsley College
- City College Plymouth
- CSR Scientific Training
- Dudley College of Technology
- Dynamic Training Ltd
- Essex County Council
- Halesowen College
- Heart of Yorkshire Apprenticeship Group
- HTP Apprenticeship College Ltd
- Jag Training Ltd
- Macclesfield College
- Newham College of Further Education
- Sheffield College
- Southport College
- Steadfast Training Ltd
- Trafford College Group
- Wakefield College
- Wirral Metropolitan College

Level 2 Healthcare Science Assistant Apprenticeship eligibility
See education provider for specific requirements - [Healthcare science assistant (level 2) - apprenticeship training course (education.gov.uk)](#)

Level 4 Healthcare Science Associate Apprenticeship providers
- Association of Health Professions in Ophthalmology
- City College Norwich
- Coventry University
- CSR Scientific Training
- Dudley College of Technology
- Dynamic Training Ltd
- Halesowen College
- Heart of Yorkshire Apprenticeship Group
- Kendal College
- Macclesfield College

- Sheffield College
- Steadfast Training Ltd
- Wakefield College
- Wirral Metropolitan College

Level 4 Healthcare Science Associate Apprenticeship eligibility
See education provider for specific requirements [Training providers for Healthcare science associate (level 4) (education.gov.uk)](#)

Level 7 STP MSc Clinical Science (Clinical Scientific Computing) providers
- University of Liverpool

Level 7 STP Clinical Scientific Computing eligibility
Undergraduate honours degree or an integrated Master's degree (1st or 2:1), in a pure of applied science subject relevant to the specialty for which you are applying OR higher degree in a relevant subject & undergraduate honours degree (2:2) in any subject.

Level 7 Bioinformatics Scientist Apprenticeship providers
- Cranfield University
- University of West London

Level 7 Bioinformatics Scientist Apprenticeship eligibility
See university website for specific requirements

Level 7 Postgraduate Certificate in Clinical Data Science provider
- University of Manchester

Level 7 Postgraduate Certificate in Clinical Data Science eligibility
See university website for specific requirements:
[PGCert Clinical Data Science - entry requirements (2023 entry) | The University of Manchester](#)

Level 8 HSST DClin Sci (Bioinformatics (Physical Sciences) provider
- Manchester Academy for Healthcare Scientist Education (MAHSE)

Level 8 HSST Clinical Scientific Computing (Physical Sciences) eligibility
HCPC registered Clinical Scientist with at least one-year post-registration experience.

Programme duration
- Scientist Training Programme (STP) – 3-year programme
- Higher Specialist Scientist Training (HSST) – 5-year programme
- Level 7 Postgraduate Certificate in Clinical Data Science – 1-2-year programme
- Level 7 Bioinformatics Scientist Apprenticeship – 2.5-year programme

Education levels
1. GCSE grades 3-1; L1 NVQ etc.
2. GCSE grades 9-4; L2 NVQ etc.
3. A level; AS level; L3 NVQ etc.
4. HNC; L4 NVQ
5. Foundation (Undergraduate)
6. Bachelors (Graduate)
7. Masters (Postgraduate)
8. Doctorate (Consultant)

Professional Bodies
- BCS – The Chartered Institute for IT
FEDIP – Federation for Informatics Professionals

- IPEM – Institute of Physics and Engineering in Medicine

Registration
- HCPC – Clinical Scientist (statutory)
- UKCHIP – Health Informatics Professional (voluntary)

Equivalence
- AHCS - https://www.ahcs.ac.uk/equivalence/
- ACS - https://assclinsci.org/applicants/my-route-to-registration/

Useful websites
- ACM - [Association for Computing Machinery (acm.org)](#)
- AHCS - [The Academy For Healthcare Science - AHCS](#)
- BCS - [BCS, The Chartered Institute for IT | BCS](#)
- FEDIP - [Health And Care Informatics | The Federation for Informatics Professionals (fedip.org)](#)
- HCPC - [The Health and Care Professions Council (HCPC) | (hcpc-uk.org)](#)
- IPEM - [IPEM Home - IPEM](#)
- NSHCS - [National School of Healthcare Science | Health Education England | NHS (hee.nhs.uk)](#)

Further information
- ACM – Association for Computing Machinery
- AHCS – Academy of Healthcare Science
- BCS – The Chartered Institute for IT
- FEDIP – Federation of Informatics Professionals
- HCPC – Health & Care Professions Council
- IPEM – Institute of Physics and Engineering in Medicine
- NSHCS – National School of Healthcare Science
- UKCHIP – UK Council of Health Informatics Professionals