



Training routes into healthcare science

West Midlands Rehabilitation Centre, Birmingham Community Healthcare NHS Foundation Trust

Louise Way and Mike Heelis

| Academic | | Level 4 | Level 5 | Level 6 | Level 7 | Level 8 |
|---|--|---|-----------------------------------|---|--|--|
| level equivalence Job title | A lovel | | UG level 2 Foundation degree, HND | UG level 3 Bachelors (BEng/BSc) | Masters (MEng/MSc) | PhD or DPhil |
| Healthcare Science Associate | 5 GCSE passes at grade A - C, Plus either Level 3 Diploma/ Extended Diploma in Science or A Level Biology | Healthcare Science Associate (2 years integrated HNC apprenticeship alongside workplace learning) Accredited Voluntary Register | | Healthcare Science Associate Roles - Routine service delivery working to protocol/SOPs under supervision. | Healthcare Science Prace (Rehab Engineer/ Clire Technologist) Roles - Independent work specialist clinical area, poinnovative solutions. May service management supervision responsibility | rk in a rovide have or |
| Clinical Technologist / Rehab Engineer | 128 points from : A level (ABB), | Any relevant degree/ HNC/ Foundation degree – may need academic top-up during workplace learning | • | | Roles variety rese | althcare Scientist linical Scientist) Direct and develop a of services, conduct earch, independent |
| Healthcare Science Practitioner / Rehab Engineer | BTEC Extended National Diploma (DDM) OR 64 points minimum from: A level BTEC Extended National Diploma (MPP) | Healthcare Science P (3 years integrated BS) workplace learning) AHCS accredited volu | Sc Hons apprentice | • | man | Consultant Healthcare Scientist Roles - Similar to medical consultant as requires clinical judgement, scientific expertise, leadership and |
| Clinical Scientist/ Healthcare Scientist | Access to Higher Education Diploma in relevant Science + extensive work experience (4yr +) | | | 1st or 2:1 in relevant BEng/BSc or integrated MEng/MSc OR 2:2 with a relevant higher degree | Scientist Training Programme (STP) (3 years integrated MSc Clinical Science + workplace training) HCPC statutory registration | dealing with uncertainty in direct patient care |
| Consultant Clinical/ Healthcare Scientist | | | | scie yea clini and | Currently STP accredited MSc in Clinical Engineering specialism available at KCL PC registration as a clinical ntist and at least one further in the workplace to enhance cal scientific skills, learning experience including research education | Higher Specialist Scientist Training (HSST) (5 years integrated PhD and workplace/ leadership training) |

References:

Academic Levels: https://www.gov.uk/what-different-qualification-levels-mean/list-of-qualification-levels
Apprenticeships: https://www.halesowen.ac.uk/study/course/healthcare-science-associate-level-4-higher-apprenticeship/
National School of Healthcare Science curricula https://www.nshcs.hee.nhs.uk/curricula
UWE Entry requirements https://blackboard.uwe.ac.uk/bbcswebdav/courses/TEST_aa-hill_1/Minimum%20entry%20requirements%20201819.pdf
BTEC grading <a href="https://gualifications.pearson.com/en/support/support-topics/understanding-our-qualifications/comparing-btec-to-other-qualifications/courses/topics/understanding-our-qualifications/comparing-btec-to-other-qualifications/courses/topics/understanding-our-qualifications/comparing-btec-to-other-qualifications/courses/topics/understanding-our-qualifications/comparing-btec-to-other-qualifications/courses/topics/understanding-our-qualifications/courses/topics/understanding-our-qualifications/courses/topics/understanding-our-qualifications/courses/topics/understanding-our-qualifications/courses/topics/understanding-our-qualifications/courses/topics/understanding-our-qualifications/courses/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-our-qualifications/topics/understanding-

BTEC grading https://gualifications.pearson.com/en/support/support-topics/understanding-our-qualifications/comparing-btec-to-other-qualifications/btec-ucas-points.html
Overview of HSST http://www.nshcs.hee.nhs.uk/images/guidance/reports/hsst/Scaling-the-Heights-final.pdf

Abbreviations:

HCPC: Health and Care Professions Council AHCS: Academy for Healthcare Science RCT: Register of Clinical Technologists NSHCS: National School of Healthcare Science UWE: University of West of England KCL: King's College London

Presented by:

Louise Way, Principal Clinical Scientist:
louise.way@bhamcommunity.nhs.uk

Mike Heelis, Senior Rehabilitation Engineer:
m.heelis@nhs.net

The healthcare science workforce plays an integral part in the delivery of equipment services. However, the career path is unclear and not well-publicised, making recruitment and progression in this specialist field challenging.

This poster aims to clarify routes into and along the healthcare science professions and to provide an easy-to-understand reference guide for employers looking to provide training opportunities for students or employees.

