



BARTS LIFE SCIENCES

DISCOVERY / DIVERSITY / DELIVERY

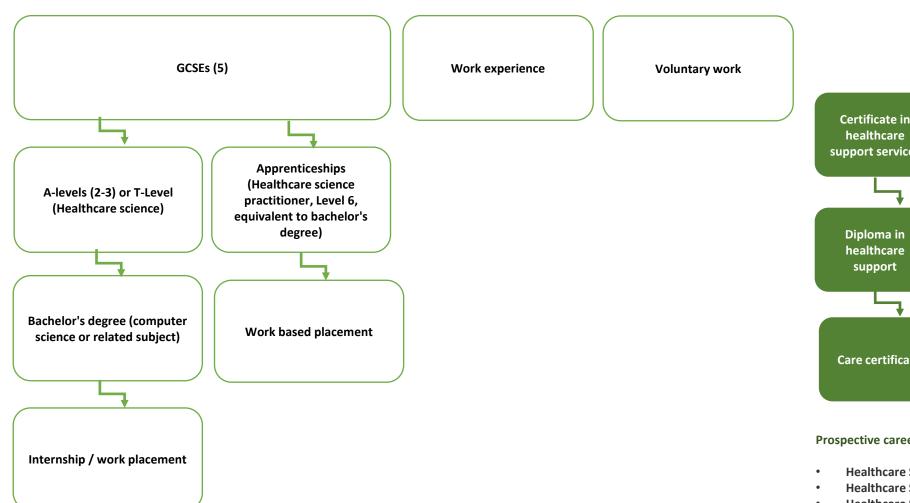
Career pathways in life sciences



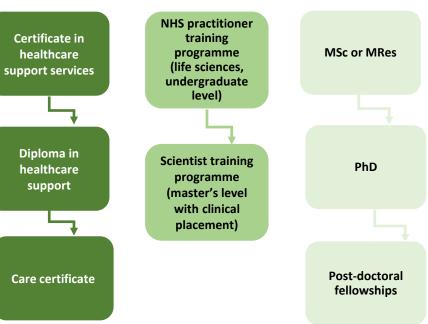


Lab

Healthcare Scientist (no set entry requirements)

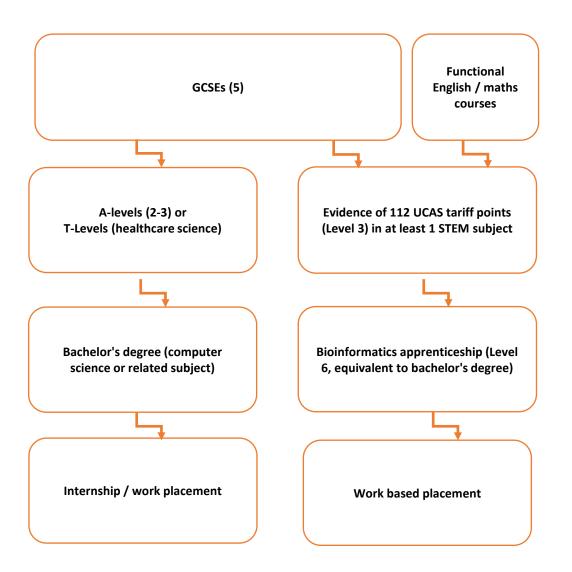


Advanced Qualifications

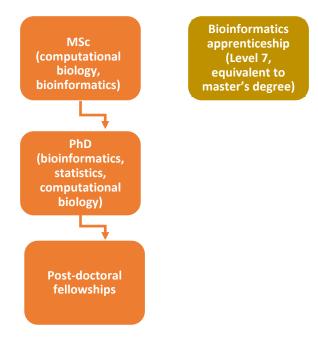


- **Healthcare Science Assistant**
- **Healthcare Science Associate**
- **Healthcare Science Practitioner**
- **Clinical Scientist**
- **Consultant Clinical Scientist**

Computational Biologist



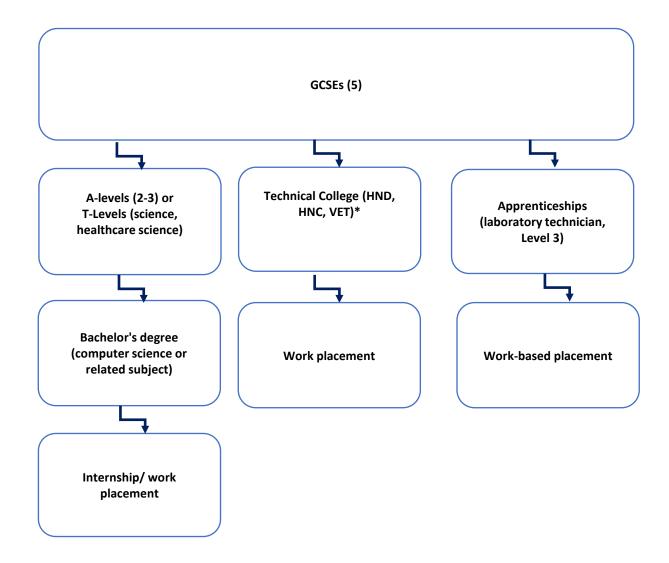
Advanced Qualifications



- Bioinformatics Researcher
- Drug Development
- Genetics

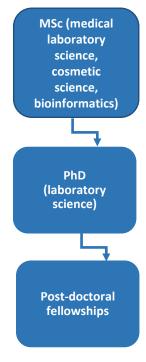
- Biotech & pharmaceutical industries
- Lecturer / Senior Lecturer

Lab Technician



^{*}Higher diploma, higher certificate of education, vocational education and training qualification

Advanced Qualifications



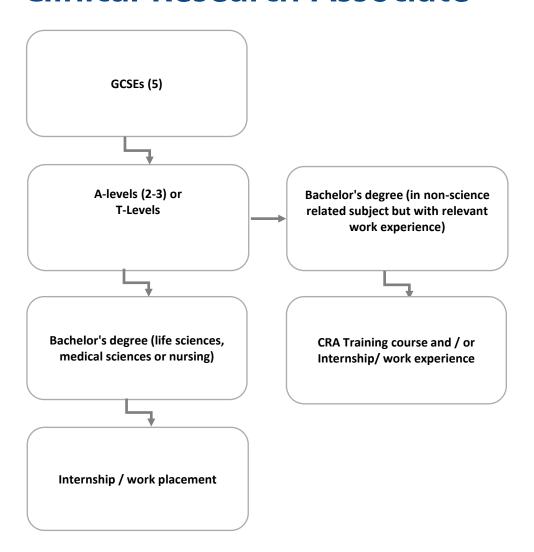
Prospective careers

- Junior Laboratory Technician
- Laboratory Support Technician
- Research and Development Laboratory Technician
- Quality Control Laboratory Technician
- Laboratory Manager
- Medical Laboratory Scientist

Fields:

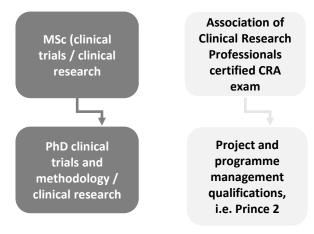
- Medical
- Research
- Industrial

Clinical Research Associate



^{*}Higher diploma, higher certificate of education, vocational education and training qualification

Advanced Qualifications



- Clinical Research Coordinator
- Clinical Trials Administrator
- Clinical Trials Management
- Clinical Data Management
- Clinical Project Management
- Clinical Team Management
- Clinical Operations Management

Health (hospital)



Healthcare Assistant (no set entry requirements)

GCSEs (not always required)

BTEC (Health & Social Care) <u>or</u>
NVQ (Health & Social Care)
T Levels (Health)
Apprenticeships (Healthcare support, level 2)

Work experience

Voluntary work

Advanced Qualifications

Care certificate

NCFE CACHE
Certificate in
Healthcare
Support Services

NCFE CACHE level 3 Diploma in Healthcare Support

Professional training (CPD)

Assistant practitioner in chiropody or podiatry, occupational therapy, radiography / physiotherapy

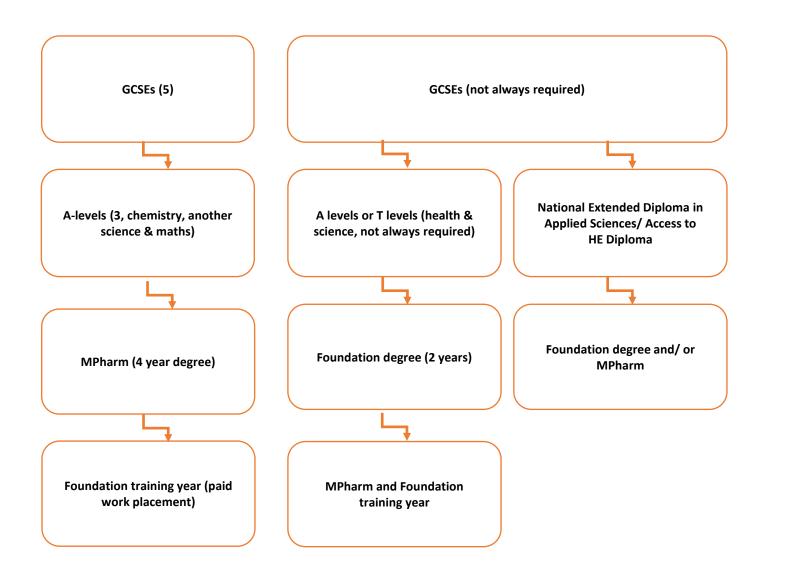
University

Prospective careers

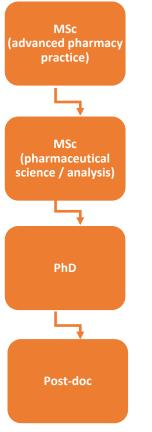
degree (i.e. nursing, radiography dietetics, midwifery, social work

- Community Healthcare Assistant
- Hospital Healthcare Assistant
- Primary Care Healthcare Assistant

Pharmacist



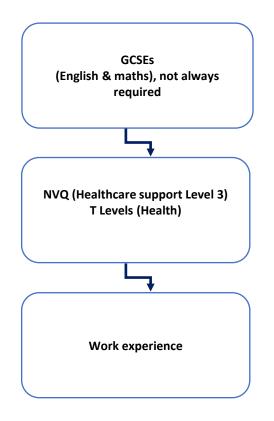
Advanced Qualifications



Advanced Pharmacist Development Programme (APDP)

- Pharmacy Assistant
- Pharmacy Technician
- Hospital Pharmacist
- Pharmacy manager
- Community Pharmacist
- Pharmacy Consultant
- Project Management
- Pharmacy Technician
- Pharmacy Manager
- Pharmacy Consultant

Healthcare Support Worker (no set entry requirements)



Work experience/ voluntary work

Advanced Qualifications

Healthcare Support Worker Development Programme

Care certificate

University
degree (i.e.
health & social
care, public
health, nursing

MSc (health & social care)

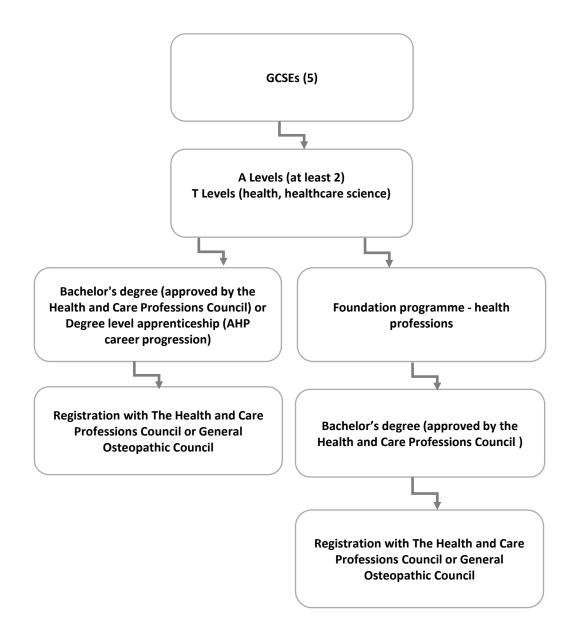
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Prospective careers

- Mental health
- Children's services
- Community
- Learning disabilities
- Primary care
- Acute
- Midwifery

MBA (health)

Allied Health Professional

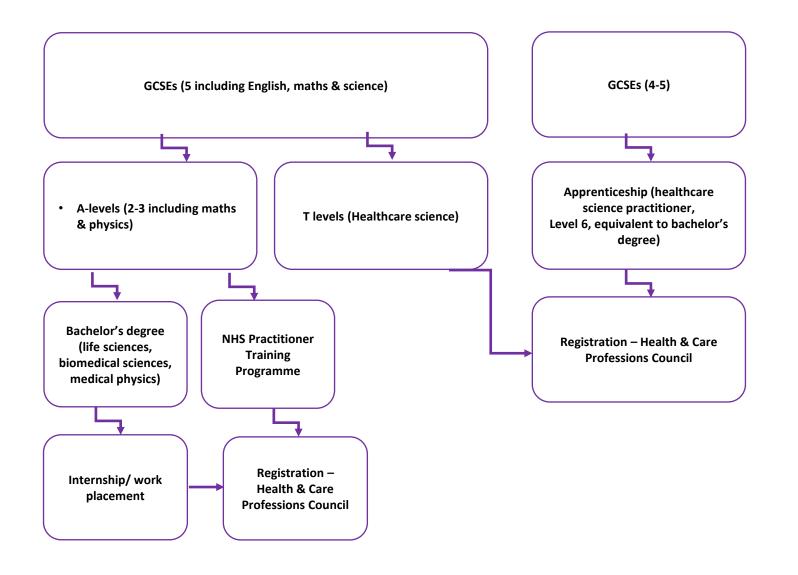


Advanced Qualifications



- Diagnostic Radiographer
- Paramedic
- Podiatrist
- Physiotherapist
- Orthoptist
- Prosthetist

Clinical Scientist



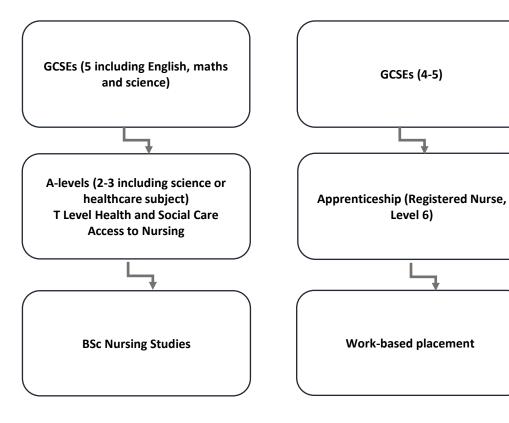
Advanced Qualifications



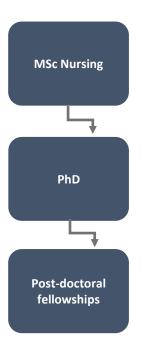
NHS Scientific Training Programme

- Laboratory (pathology) sciences
- Physiological sciences
- Medical physics
- Clinical engineering
- Bioinformatics

Nursing



Advanced Qualifications



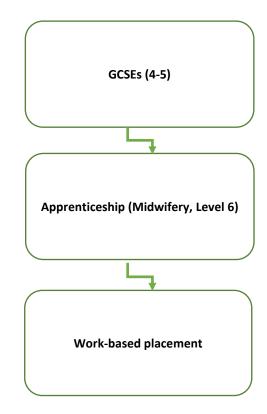
- Registered Nurse
- Clinical Nurse Specialist
- Nurse Educator
- Research Nurse
- Nurse Manager
- Nurse Consultant
- Director of Nursing

Midwifery

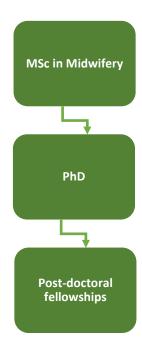
GCSEs (5 including English, maths and science)

A-levels (2-3 including biology or healthcare subject) T Level Health and Social Care Access to Nursing

BSc or BMid Nursing / Midwifery



Advanced Qualifications



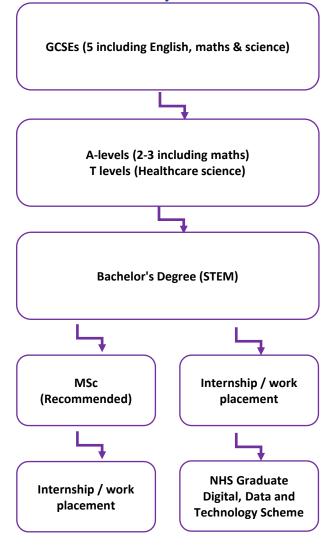
- Certified Nurse-Midwife
- Certified Midwife
- Direct Entry Midwife (apprenticeships)
- Midwife Educator
- Research Midwife
- Public Health Midwife
- Midwifery Policy Maker

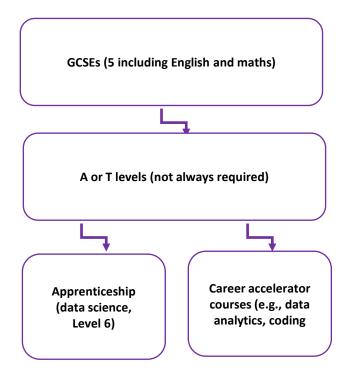
Health Tech



Healthcare Data Scientist (formal qualifications not required but

recommended)



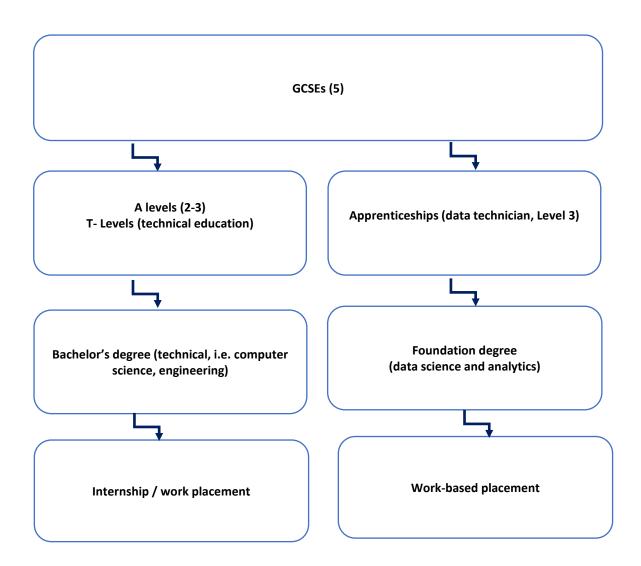


Advanced Qualifications



- Data Scientist
- Research Data Scientist
- Senior Data Scientist
- Digital Fellow
- Data Analyst
- Head of Data Science
- Director of Data Science

Data Centre Technician



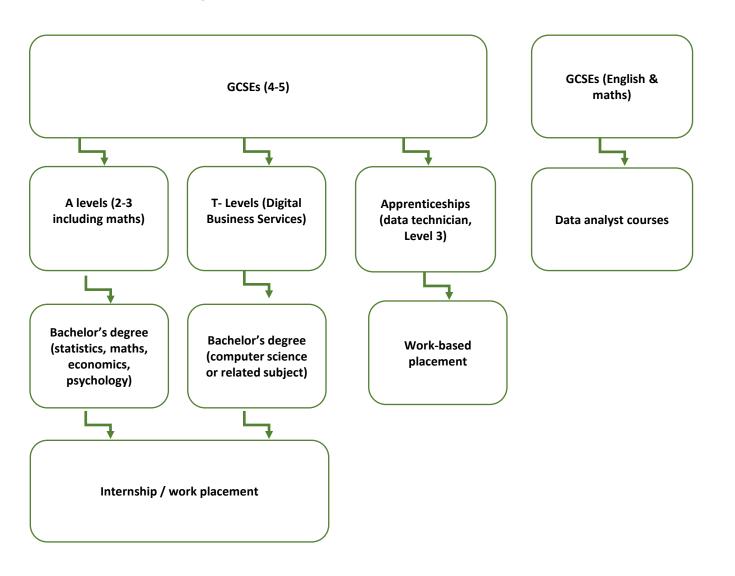
^{*}Certified Data Centre Technician Professional

Advanced Qualifications

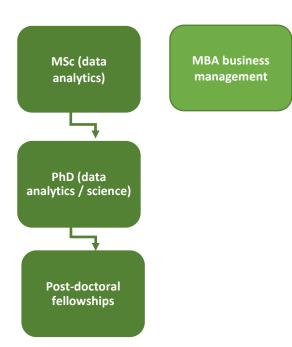
MSc (Data centre leadership and management)

- Data Centre Administrator
- Network / Computer Systems Engineer
- Data Warehouse Manager
- Data Centre Engineer
- Data Centre Operations Manager
- Technical Consultant
- Technical Architect
- Information Technology Manager

Data Analyst



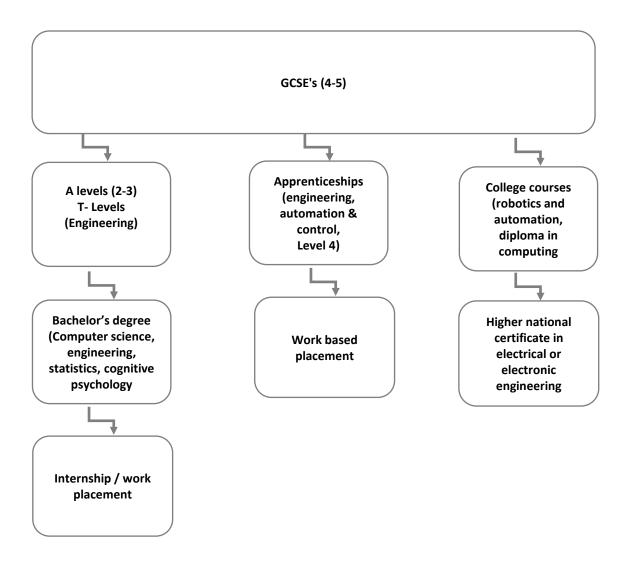
Advanced Qualifications



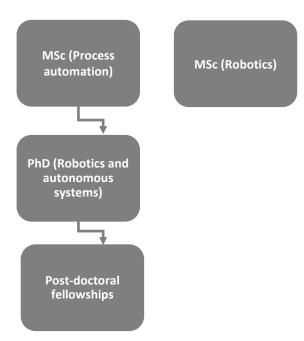
Graduate training schemes

- Senior Data Analyst
- Statistician
- Business Intelligence
- Data Assurance
- Data Quality
- Finance

Robotics Process Automation



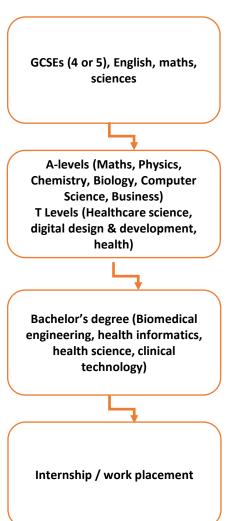
Advanced Qualifications

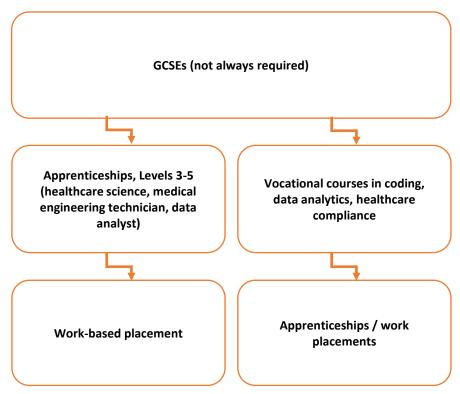


Robotics process automation graduate programmes

- Robotics Process Automation Analyst
- Robotics Process Automation Developer
- Robotics Process Automation Champion
- Robotics Process Automation Architect
- Robotics Process Automation Specialist
- Robotics Process Automation Lead

Health Tech Advisory & Management





Advanced Qualifications



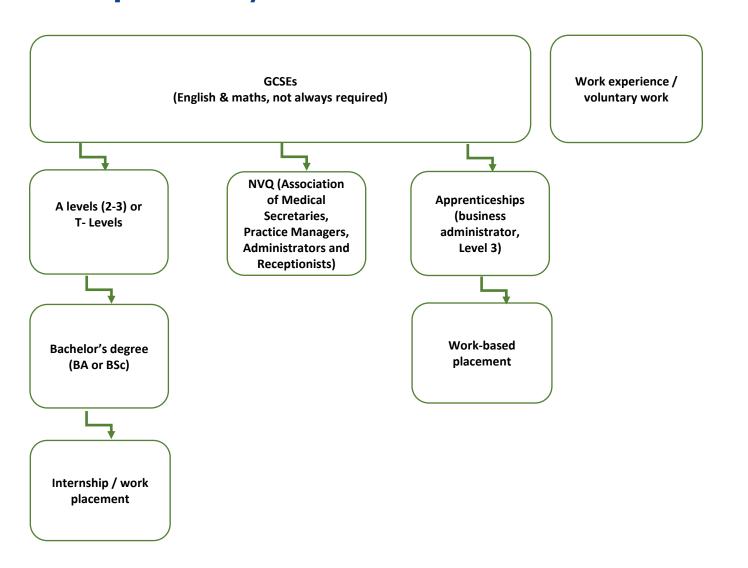
PGDip, Health informatics

PGCert, Digital health leadership, biomedical engineering applications

- Product Manager
- Health Tech Advisor
- Health Tech Evaluation
- Health Tech Management Consultant
- Health Tech Project Manager
- UX / UI Designer, Healthcare
- Director of Innovation

Office

Receptionist / Administrator (no set entry requirements)



Advanced Qualifications

Bachelor's degree (business administration & management)

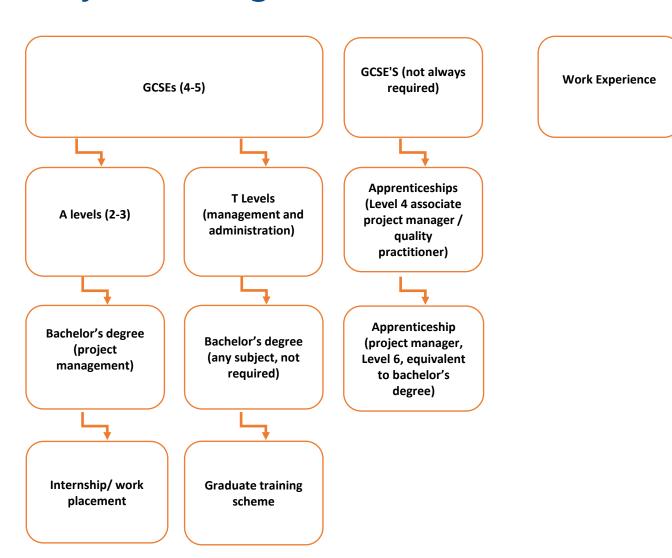
Introduction to project management courses

NHS Leadership Academy (Edward Jenner programme)

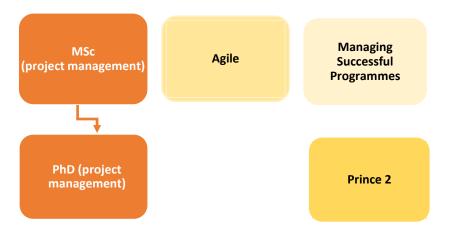
Prince 2

- Receptionist
- Secretary
- Telephonist / Switchboard Operator
- · Health records staff
- Ward Clerk
- Medical Secretary
- PA
- EA
- HR, Informatics, Estates or Finance administrator
- Administrative Team Leader

Project Management (no set entry requirements)

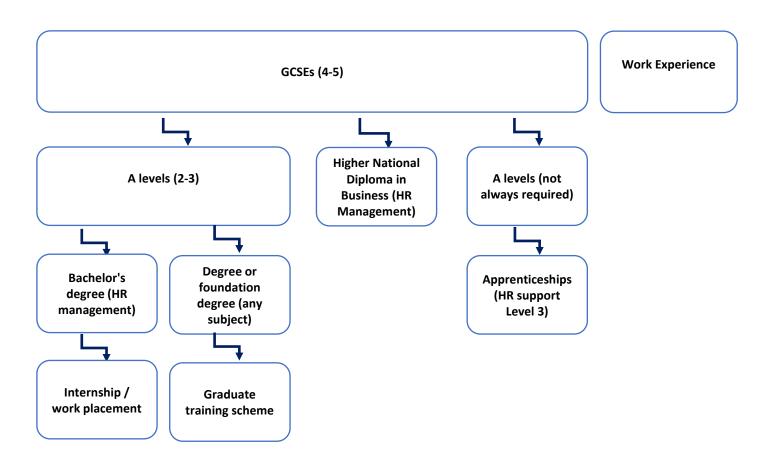


Advanced Qualifications

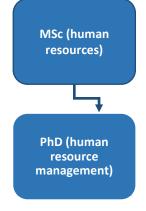


- Project Coordinator
- Assistant Project Manager
- Project Manager
- Senior Project Manager
- Resource Manager
- Programme Manager
- Programme Director

HR Advisor (no set entry requirements)



Advanced Qualifications



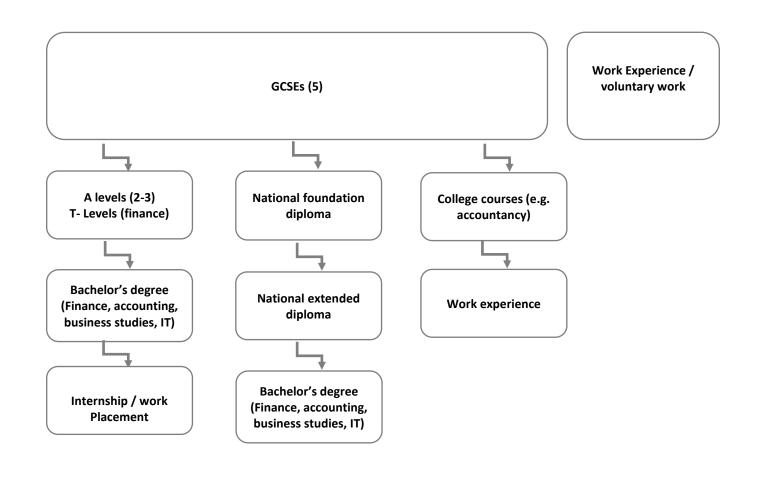
Advanced diploma (strategic people management)

MBA (human resource management)

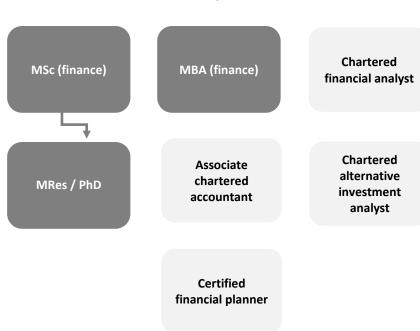
Prospective careers:

HR Officer
HR Advisor
People Business Partner
HR Manager
Head of People
Director of People

Finance

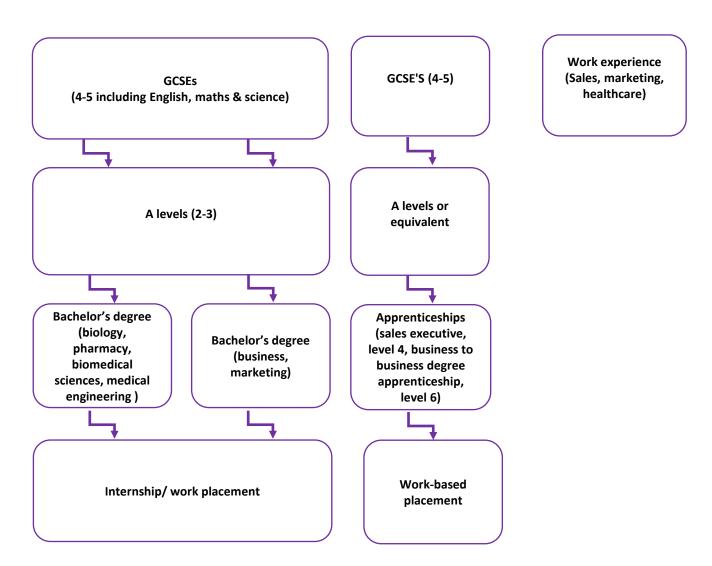


Advanced Qualifications

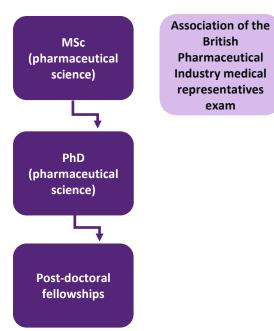


- Finance Officer
- Credit Control
- Payroll Officer
- Accountant
- Finance Manager
- Head of Finance
- Finance Director

Pharmaceutical Sales (no set entry requirements)



Advanced Qualifications



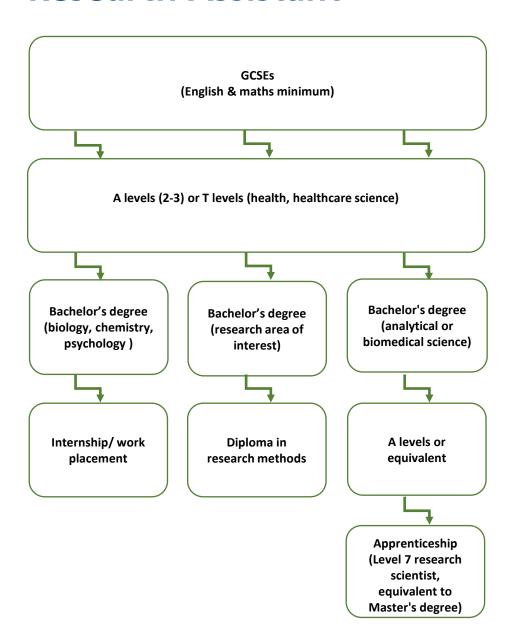
Pharmaceutical / med tech graduate training schemes

- Medical Sales Representative
- Sales Support
- Sales Specialist
- Brand Manager
- Sales Manager
- International Sales Executive

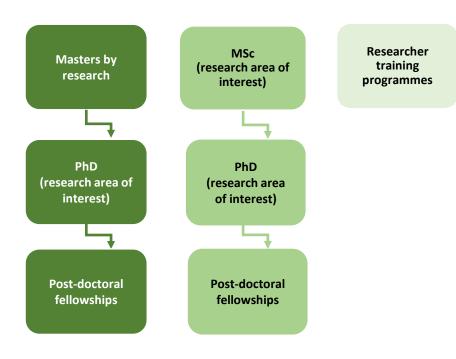
Life sciences: Education



Research Assistant



Advanced Qualifications



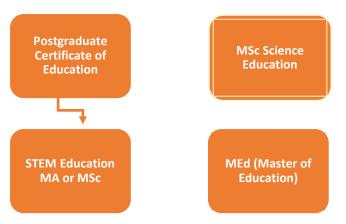
Prospective careers:

Research Associate
Senior Research Associate
Principal Research Associate
Director of Research

Secondary School Science Teacher

GCSEs English, maths, biology, chemistry, physics (recommended but combined sciences are accepted) A levels (at least 1 **Apprenticeships** science subject but 2 (teacher degree, recommended) including PGCE, Level 6) T- Levels (Education & Childcare) Bachelor's degree (Science or Education with science specialism) **Postgraduate Certificate** of Education (for those with degrees without qualified teacher status)

Advanced Qualifications



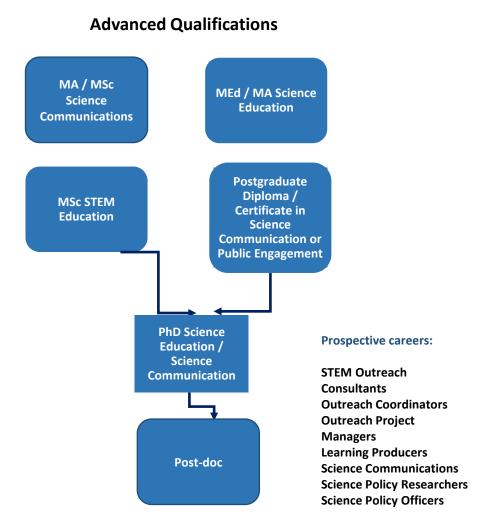
Prospective careers:

Biology Teacher Chemistry Teacher Physics Teacher Combined Science Teacher

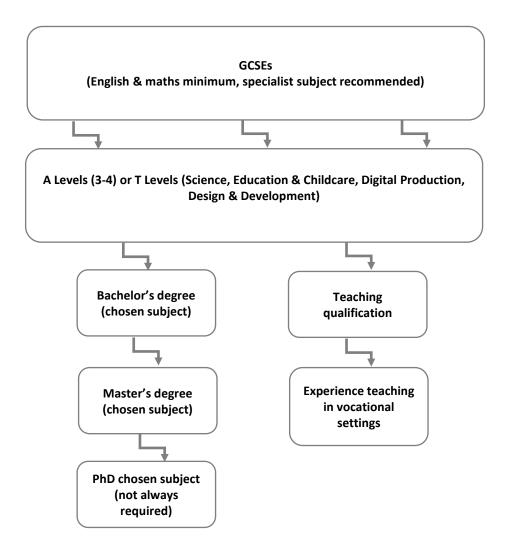
Science Education Outreach (no set entry requirements)

GCSEs English, maths, biology, chemistry, physics (recommended but combined sciences are accepted) A Levels (at least 1 T Levels (Science, science subject but 2 **Education &** recommended), Childcare, Digital **Psychology Production Design &** Development Bachelor's degree (Sciences, inc. **Apprenticeships Environmental** (Levels 2-6), Science Science, Science Technician, Science **Communications** and Engineering, **Education** Internship / work Work-based placement placement

Work Experience



Lecturer



Other routes (no PhD)

Postgraduate Certification, Higher Education Research track record, e.g. evidence of peer reviewed publications

Professional or industry credentials (field dependent)

Advanced qualification

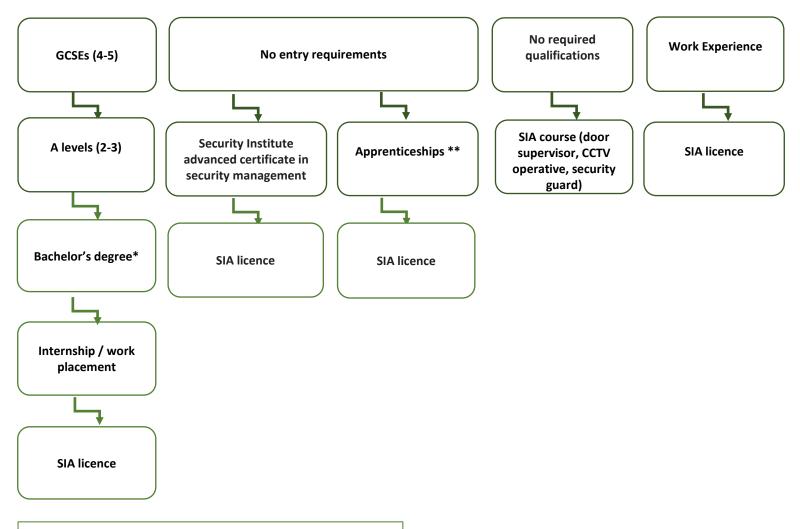
Post-doctoral fellowships

- Teaching Fellow
- Research & Teaching Lecturer
- Senior Lecturer
- Associate Professor
- Professor
- Clinical Lecturer

Life sciences clusters:
Estates
management



Security (no set entry requirements)



*Bachelor's Degree in risk and security management, cyber security, safety management.

** Apprenticeships in fire, emergency & security systems, level 6, equivalent to bachelor's degree)

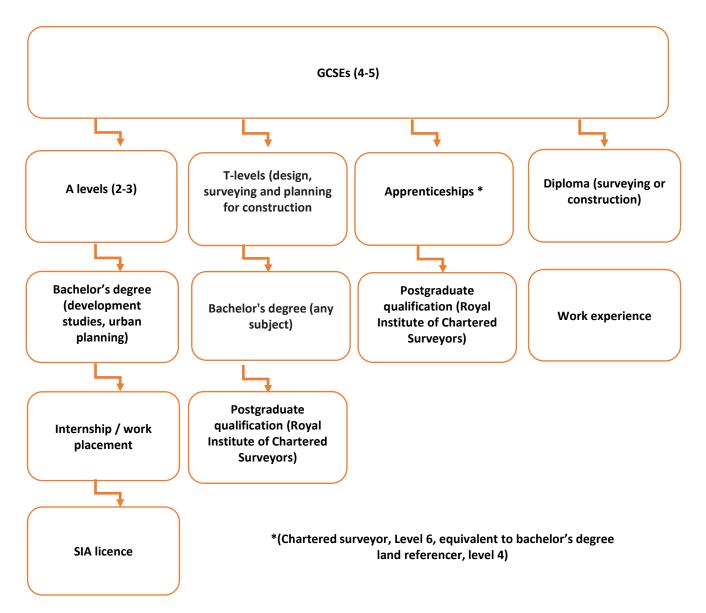
Advanced Qualifications



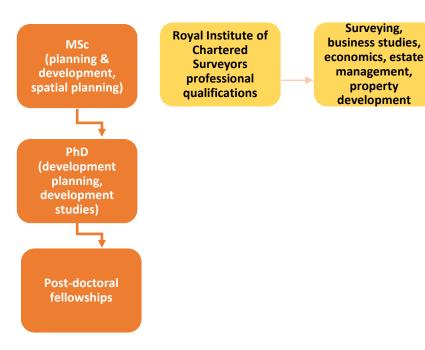
Advanced security practitioner courses

- Security Officer
- Security Guard
- · Senior Security Guard
- Security Supervisor
- Intelligence Analyst
- Chief Security Officer

Planning and Development

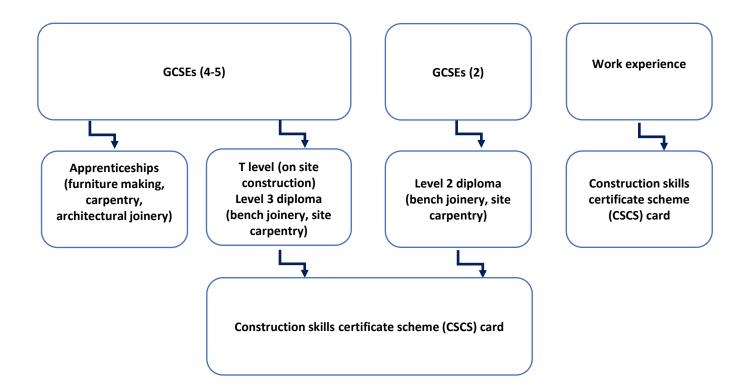


Advanced Qualifications



- Planning and Development Coordinator
- Planning and Development Project Manager
- Surveyor
- Town Planner
- Asset Manager
- Commercial Development Manager

Carpenter (no set entry requirements)

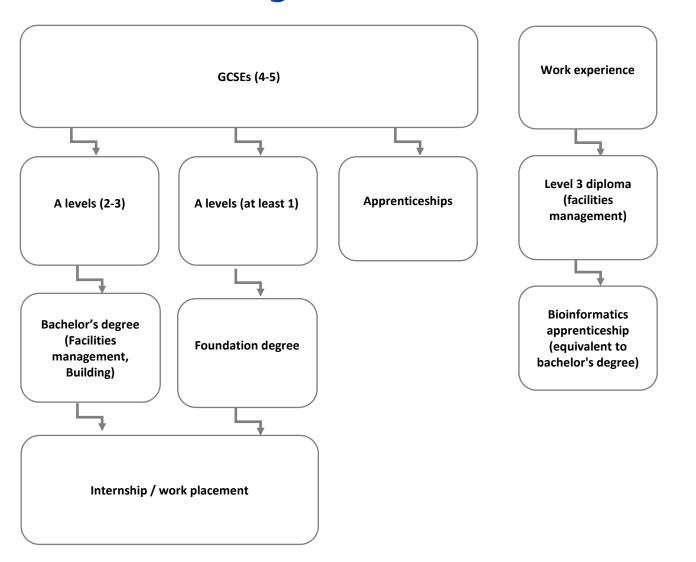


Advanced Qualifications

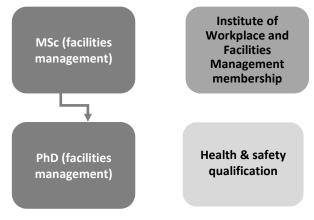


- Rough Carpenter
- Trim Carpenter
- Framer
- Roofer
- Joister
- Carpentry Project Manager
- Carpentry Site Manager

Facilities Management (no set entry requirements)



Advanced Qualifications



- Catering
- Cleaning
- Building maintenance
- Environmental services
- Security
- Reception

- Domestic Services Manager
- Domestic Supervisor
- Contracts Manager
- Senior Facilities Manager
- Head of Facilities Management

Salaries

Role	Entry level salary*	Median level salary	Senior level salary
Healthcare Scientist	£35,000	£55,000	£85,000
Computational Biologist	£50,000	£70,000	£100,000
Lab Technician	£27,000	£40,000	£60,000
Clinical Research Associate	£35,000	£45,000	£60,000
Healthcare Assistant	£30,000	£32,000	£40,000
Pharmacist	£35,000	£50,000	£70,000
Healthcare Support Worker	£24,000	£31,000	£40,000
Allied Health Professional	£37,000	£54,000	£90,000
Healthcare Data Scientist	£55,000	£75,000	£100,000
Data Centre Technician	£30,000	£52,000	£60,000
Data Analyst	£35,000	£65,000	£100,000
Robotics Process Automation	£35,000	£60,000	£100,000
Pharmaceutical Sales	£30,000	£60,000	£80,000
Health Technology Advisory & Management	640,000	670,000	
* Salaries based on LIV average	£40,000	£70,000	£100,000

^{*} Salaries based on UK average

Role	Entry level salary	Median level salary	Senior level salary
Receptionist / Administrator	£22,000	£28,000	£60,000
Project Management	£35,000	£50,000	£80,000
HR Advisor	£35,000	£40,000	£60,000
Finance*	£25,000	£50,000	£100,000
Research Assistant	£31,000	£55,000	£80,000
Secondary School Science Teacher	£36,000	£45,000	£60,000
Science Education Outreach	£23,000	£36,000	£75,000
Lecturer	£37,000	50,000	£90,000
Security*	£25,000	£30,000	£60,000
Planning and Development	£30,000	£60,000	£100,000
Carpenter	£34,000	£46,000	£56,000
Facilities Management	£35,000	£43,000	£65,000

^{*} Based on NHS salaries only

References



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