

Compare roles in health

Not sure where to start with the hundreds of NHS careers? Use our compare roles section to get bite-size information on the entry requirements and training, pay and conditions, prospects and skills needed of up to three roles. If there is something that you think you could do, then get more in-depth information on the role.

Don't forget, you can also save your role comparisons by registering with us.

- **Radiation physics and radiation safety physics** ^[1]

Different forms of radiation are used in the diagnosis and treatment of patients.

Training and qualifications required

A-levels (including science) or an appropriate level-3 equivalent for entry onto the BSc (Hons) healthcare science (radiation physics) for the NHS Practitioner Training Programme (PTP), or for the NHS Scientist Training Programme you'll need a 1st or 2.1 either in an undergraduate honours degree or an integrated master's degree in a relevant pure or applied science subject. If you have a relevant 2.2 honours degree, you'll also be considered if you have a higher degree in a subject relevant to the specialism for which you are applying. Evidence of research experience is desirable.

Expected working hours and salary range

NHS staff will usually work a standard 37.5 hours per week. They may work a shift pattern. Most jobs in the NHS are covered by the Agenda for Change (AfC) pay scales. As a healthcare science practitioner, you'd usually start on band 5, with opportunities to progress to more senior positions. Trainee clinical scientists train at band 6 level, and qualified clinical scientists are generally appointed at band 7. With experience and further qualifications, you could apply for posts up to band 9. Terms and conditions of service can vary for employers outside the NHS.

Desirable skills and values

Effective communication and team working skills, a mature, calm, confident but sympathetic approach, confidence with technology, systems and processes.

Prospects

With further training or experience or both, you may be able to develop your career further and apply for vacancies in areas such as further specialisation, management, research, or teaching.

Related roles

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- [Nuclear medicine \(healthcare scientist\)](#) [3]
- [Nuclear medicine](#) [4]
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Links

[1] <https://www.healthcareers.nhs.uk/explore-roles/healthcare-science/roles-healthcare-science/physical-sciences-and-biomedical-engineering/radiation-physics-and-radiation-safety-physics> [2] <https://www.healthcareers.nhs.uk/Explore-roles/healthcare-science/roles-healthcare-science/physical-sciences-and-biomedical-engineering/clinical-engineering> [3] <https://www.healthcareers.nhs.uk/explore-roles/healthcare-science/roles-healthcare-science/physical-sciences-and-biomedical-engineering/nuclear-medicine-healthcare-scientist> [4] <https://www.healthcareers.nhs.uk/explore-roles/doctors/roles-doctors/medicine/nuclear-medicine> [5] <https://www.healthcareers.nhs.uk/explore-roles/health-informatics/roles-health-informatics/knowledge-and-library-services>