For **USP training**, refer to pathway for MSAT Upstream Process Development Scientist

Pathway: Upstream Process Engineer

Have you worked in ATMPs previously? **Yes** → Do you have any GxP experience? **Yes** → Engineering training programmes

No (Have you worked in ATMPs previously?)

Price range Free - £3.75k

- **NHC 5d f2f £3.75k** VV manuf
- **eLfH e-learning Free** ATMPs, CAR-T, In vivo GT
- **NSF 1 day virtual £700** ATMPs
- **NIBRT 1 hour online Free** Introduction to Cell Therapy manuf
- **UoAston videos Free** Insights into ATMPs
- **UoKent 80 hrs online £500** ATs – R&D to market
- **NIBRT Online/F2F £1.5-2.5k** Advanced cell therapy technology Gene Therapy/Viral vectors
- **UCL MBI online ~£2k** CGT Bioprocessing
- **Cytiva 4 hours Online Free** Advanced CT Tech
- **EATRIS 7 hours Online Free** ATMP Devt
- **UoB 1 day F2F/online £0.6-£0.9k** Intro to ATMPs
- **ISPE 3 hr virtual £1k** **C&GT &** ATMPs

No (Do you have any GxP experience?)

Price range Free - £3.75k

- **ATSTN 1 hr online Free** Virtual lab tour
- **InspiredPharma 1d F2F £700** Introduction to GMP
- **UoH 3 days f2f £1,900** Aseptic Skills for ATMPs
- **CATTI 1hr–5d online £150-2.5k Ess of AT** GMP; onboarding
- **Informa virtual £1.8k** Manuf practises for CGT
- **NHC & NSF 4 days f2f £3k** GMP for biotech products
- **Roslin F2F** Range of GMP practical training
- **UoB online/1-3 d F2F £0.6-1.4k** Range of ATMP GMP progs

Price range Free - £3.75k

- **RSSL 2hr-1d online £90-700** GMP & GMP in the Lab
- **ATSTN e-learning Free** Intro to GMP GMP in workplace
- **Pathwise 1 hour online £250** Intro to cGMP
- **NIBRT 1 hour online £100** Cleanroom behaviours
- **ATSTN e-learning Free** Journey of a raw material Data integrity
- **NHC f2f 2-5 days £1.3-3.75k** Complete intro to bioprocessing GMP Essentials; Manuf steriles
- **Cytiva online free** Intro to GxP

Engineering training programmes

- **Process Insight 3-10d F2F/online £1.8-£3.7k** Lean Six Sigma
- **NSF 1hr online £100** GMP for Engineers Cleaning Qualification CSV
- **Cytiva 0.5-3hr e-learning free - £100** Filtration PD Understanding filtration
- **Honeyman 3 days F2f £1.5k** Cleanroom and facilities: Principles in Practice
- **ITS 2day F2F/online £1,220** Understanding Validation
- **ISPE 1hr-5day f2f/online £100-2k** HVAC for Life Science facilities Airflow Pattern Visualisation GAMP 5 & CSV Process Validation Aseptic processing & Annex 1

- **RSSL 1-2day F2F/online £700-£1.4k** Introduction to Validation Cleaning validation Computerised Systems validation Process Valid & qualification
- **NHC 2-5 day F2F £2 – 3.75k** Data Integrity, Computer Systems Validation, and IT compliance Adv Bioprocess control, data & PAT
- **NIBRT 1hr-5d online/F2F £100 -£3k** Intro to bioprocessing for engineers STERIS Masterclass Commissioning Qual & validation Intro to USP operations Aseptic Processing Intro to single use tech

Price range Free - £3.75k

Available

In-progress

Develop