

Pathway: Upstream Process Engineer

I'm new to working in ATMPs

free - £2.5k

Aston Uni videos free Insights into ATMPs
BSGCT webinar free CRISPR & gene editing Universal CAR-T cells
Cytiva 4hr online free Advanced CT Tech
EATRIS 7hr online free ATMP development
eLfh online free ATMPs, CAR-T, In vivo GT
NIBRT 1hr online free Intro to cell therapy manuf
CGT Catapult 1d f2f £750 Intro to biomanufacturing & advanced therapies
ISPE 3hr virtual £1k C> & ATMPs
NSF 1d virtual £700 ATMPs
NIBRT online/F2F £1.5-2.5k Adv cell therapy technology Gene therapy/Viral vectors
UCL MBI online ~£2k CGT Bioprocessing
UoKent 80 hrs online £500 ATs – R&D to market

I don't have much GMP experience

free - £3.75k

ATSTN 30m online free Virtual lab tour Introduction to GMP GMP in the workplace Data integrity Introduction to isolators Journey of raw materials	CATTI 1hr-5d online £150-2.5k Essentials of AT GMP manufacturing AT GMP onboarding
CGT Catapult videos free Aseptic lab instruction series Aseptic welding series Aseptic laundered gowning Aseptic gloving De-gowning	Informa virtual £1.8k Manuf practises for CGT
2d f2f £1.5k Essential GMP skills Essential laboratory skills Principles & usage of isolators Single-use technology Aseptic techniques	InspiredPharma 1d F2F £700 Introduction to GMP
Cytiva online free Intro to GxP	NIBRT 1hr online £100 Cleanroom behaviours
Miltenyi 35m video free Introduction to GMP basics	NHC f2f 4-5d £1.3k-£3.75k Complete introduction to bioprocessing GMP essentials Manuf sterile products
Sartorius video free Biosealer Biowelder Flexsafe STR 1000L bag Flexsafe Pro mixer Flexsafe & Flexel bag	Pathwise 1hr online £250 Introduction to current Good Manufacturing Processes
	RSSL 2hr-1d online £90-700 Good Manufacturing Practice series
	Uni of Herts 3d f2f £1,900 Aseptic Skills for ATMPs

Engineering training

free - £3.75k

Cytiva 0.5-3hr online free-£100 Filtration PD Understanding filtration	NIBRT 1hr-5d online/F2F £100 -£3k Intro to bioprocessing for engineers STERIS Masterclass Commissioning Qual & validation Intro to USP operations Aseptic Processing E-Validation & Tech Transfer Single Use Technology series Principles of machine learning
Sartorius online free AMBR250 modular Biotstat RM Filter cartridges & capsules	NSF 1hr online £100 Cleaning Qualification CSV
Blended £1-3k Viral vectors USP	Process Insight 3-10d F2F/online £1.8-£3.7k Lean Six Sigma
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
ITS 2d F2F/online £1,220 Understanding Validation	
NHC 2-5 day F2F £2 – 3.75k Data Integrity, Computer Systems Validation, and IT compliance Adv Bioprocess control, data & PAT	

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