

END POINT ASSESSMENT SCIENCE MANUFACTURING TECHNICIAN

V1.0

End Point Assessment from NOCN



Role Profile

Science manufacturing technicians work in a wide range of companies, including, but not exclusively, chemical, primary and secondary pharmaceutical, biotechnology, formulated products and nuclear manufacturing. A science manufacturing technician will operate the systems and equipment, involved in the production of products. They may work in varied conditions including wearing specialist safety equipment, shift work and on sites running 365 day operations. Many companies operate under highly regulated conditions and a premium is placed on appropriate attitudes and behaviours to ensure employees comply with organisational safety and regulatory requirements.

Science manufacturing technicians are expected to work both individually and as part of a manufacturing team. They are able to work with minimum supervision, taking responsibility for the quality and accuracy of the work they undertake. They are proactive in finding solutions to problems and identifying areas for improving their work environment.

On-Programme: What apprentices need to learn

The apprentice will be assessed on the knowledge, skills and behaviours required for the Science Manufacturing Technician V1.0 apprenticeship standard.

Apprentices need to complete 6 hours of off-the-job training per week during the on-programme phase of their apprenticeship. Specific rules govern this and it must take place in the apprentice's contracted hours.

Refer to the [IfATE website](#) for further details on the apprenticeship standard and assessment plan.



End Point Assessment

End Point Assessment is the final stage of the apprenticeship. As defined in the assessment plan, the End Point Assessment for the Level 3 Science Manufacturing Technician consists of the following events.

Synoptic Assessment Test (SAT):

The end point assessment will include a synoptic assessment test (SAT) through workplace observation and discussion with the registered assessor. Part of the SAT must be observed by an external assurer from the assessment organisation. The SAT must be conducted before the vocational competence discussion and preferably on the same day where business operations permit. The assessment organisation must provide guidance to the registered assessor on how the test must be run with details of performance standards and assessment criteria.

Vocational competence discussion:

Following the SAT the apprentice will take part in a vocational competence discussion led by the external assurer. This will cover the whole apprenticeship standard including behaviours and the apprentice may draw on evidence from the SAT and evidence generated during the vocational competence evaluation process. The assessment specification, makes clear which elements of the standard must be covered. The assessment organisation must ensure the apprentice and their employer are notified of the assessment specification at the start of their apprenticeship so that they can gather appropriate evidence during their training.

Scenario Case Study:

The case study will describe a scenario and the apprentice will be presented with a standardised set of questions.

The apprentice will complete a written situational analysis exercise that presents a scenario that requires them to adapt quickly and function effectively after minimal instruction on new equipment or in a new environment or under revised working practices. The exercise will test the apprentice's knowledge and understanding of core elements in the work based learning guide. The assessment organisation will develop a bank of case studies that describe a range of contexts and settings. The emphasis of the exercise will be on the apprentice demonstrating how to transfer and apply their understanding of the principles of working safely, following quality procedures and complying with regulations to a new setting.

Grading

A pass will be awarded to individuals that achieve the specified level in all four elements.

A distinction will be awarded to individuals that achieve the specified level in all four elements

Results and Certification

On successful completion, NOCN will issue an EPA grade notification and apply to the Education and Skills Funding Agency (ESFA) to produce the final apprenticeship certificate.

Who are we?

charity whose core aims are to help learners reach their potential and organisations thrive. The group includes business units specialising in regulated UK and international qualifications, End Point Assessment, Access



to Higher Education, assured short courses, SMART job cards, assessment services, consultancy and research.



We influence: We work closely with regulators and governments to influence policy decisions affecting the sector on behalf of the providers we serve.



We specialise: Our subject matter experts create learning content tailored to meet the future needs of the sectors we operate in.



We care: We aim to work in partnership with our customers, offering support and training to ensure an excellent learner experience.



We are Sustainable: In our pursuit to create long term ecological, social and economic value in all that we do to support the Net-Zero economy through individual actions and organisational strategy and initiatives.