

Level 3 Engineering Technician - Mechatronics Apprenticeship



Course Overview

Mechatronics maintenance technicians carry out a broad range of activities which may include installation, testing, fault finding, rectification, modifications and the on-going planned maintenance of complex automated equipment. This requires the application of a blend of skills, knowledge and occupational behaviours across the electrical, electronic, mechanical, fluid power and control systems disciplines.

The broad purpose of the occupation is to ensure that plant and equipment perform to the required standard to facilitate targets regarding safety, quality, delivery, availability, and cost within the aerospace, aviation, automotive, logistics, defence, and wider advanced manufacturing and engineering sectors. Multi-skilled mechatronics maintenance technicians carry out a broad range of activities which may include installation, testing, fault finding, rectification, modifications, and the on-going planned maintenance of complex automated equipment. This requires the application of a blend of skills, knowledge and occupational behaviours across the electrical, electronic, mechanical, fluid power, and control systems disciplines. They prepare for the maintenance activity and inform stakeholders of work status. They also complete documentation, handover work, set up their work area and are required to be competent in safe engineering practices for their own safety and those around them. They may be required to work shifts, to work at height and in confined spaces, as well as dealing with equipment which may contain high voltages, high pressures, ionising radiation and other hazards.

The course is delivered by a mixture of theory and practical work, both at College and in the workplace.

What You Will Study

Level 3 Diploma in Advanced Manufacturing Engineering (Development Knowledge) or Pearson BTEC NVQ 3 Engineering Maintenance

The apprentice will have a depth and breadth of English and mathematics that allow them to operate successfully within their role. This may be met through entry criteria determined by the employer or qualifications and training within the apprenticeship. There will still be a requirement for 19+ students to attempt Maths and English at L2 if they do not have exemptions due to the entry requirements for the BTEC qualification.

START DATE

September

LEVEL

Level 3

STUDY MODE

Full-time

DURATION

36 months

AWARDING BODY

Excellance,
Achievement &
Learning Ltd

LOCATION

Castleford College



For further information about this course, including Entry Requirements, Assessments and Further Study, scan the QR code.

Need More Information?

For additional course information please contact the Course Information Team on **01924 789111** or email courseinfo@heartofyorkshire.ac.uk.

To learn more about Castleford College, our facilities and how we can support you please visit our website www.heartofyorkshire.ac.uk.

Quick Links



**How to
Apply**



**Student
Support**



**Virtual
Tours**

Attendance Expectations

A mixture of day release and employer based.

How You Will Be Assessed

There will be continuous assessment of both your practical skills and theoretical knowledge.

Entry Requirements

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Interview Information

Fee Information

Please contact the Apprenticeship Recruitment Team on 01924 789469 or email apprenticeships@heartofyorkshire.ac.uk

Further Study

This standard aligns to the core engineering skills required for similar occupations in other industries. It meets the professional standards of the Engineering Council for registration as Engineering Technician (Eng Tech) by an appropriate Professional Engineering Institution.