



Pearson

# Advanced Manufacturing Engineering

Apprenticeship Standards

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# Engineering and Manufacturing Apprenticeship Standards

QN Number	Level	Title	Apprenticeship Standards
601/7389/0	2	Pearson BTEC Level 2 Diploma in Advanced Manufacturing Engineering (Foundation Competence)	<ul style="list-style-type: none"> <li>• Machinist</li> <li>• Mechatronics Maintenance Technician</li> <li>• Product Design and Development Technician</li> <li>• Toolmaker and Tool &amp; Die Maintenance Technician</li> <li>• Technical Support Technician</li> </ul>
601/7165/0	2	Pearson BTEC Level 2 Diploma in Aerospace and Aviation Engineering (Foundation Competence)	<ul style="list-style-type: none"> <li>• Aerospace Manufacturing Fitter</li> <li>• Aerospace Manufacturing Electrical, Manufacturing and Systems Fitter</li> <li>• Aircraft Maintenance Fitter/Technician – Fixed and Rotary Wing</li> <li>• Survival Equipment Fitter</li> <li>• Airworthiness Planning, Quality and Safety Technician</li> <li>• Aircraft Certifying Engineer</li> <li>• Aerospace Engineer</li> <li>• Aerospace Software Development Engineer</li> </ul>
601/7390/7	2	Pearson BTEC Level 2 Diploma in Aerospace and Aviation Engineering (Foundation Knowledge)	<ul style="list-style-type: none"> <li>• Aerospace Manufacturing Fitter</li> <li>• Aerospace Manufacturing Electrical, Manufacturing and Systems Fitter</li> <li>• Aircraft Maintenance Fitter/Technician – Fixed and Rotary Wing</li> </ul>
TBC	2	Pearson BTEC Level 2 Certificate in Rail Engineering Operative Knowledge (due May 2017)	<ul style="list-style-type: none"> <li>• Rail Engineering Operative</li> </ul>
TBC	2	Pearson BTEC Level 2 Certificate in Rail Engineering Operative Competence (due May 2017)	<ul style="list-style-type: none"> <li>• Rail Engineering Operative</li> </ul>
601/9054/1	3	Pearson BTEC Level 3 Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)	<ul style="list-style-type: none"> <li>• Mechatronics Maintenance Technician</li> <li>• Product Design and Development Technician</li> <li>• Technical Support Technician</li> <li>• Toolmaker and Tool &amp; Die Maintenance Technician</li> <li>• Machinist (to be agreed)</li> <li>• Maintenance and Operations Engineering Technician (not mandatory)</li> <li>• Engineering Design and Draughtsperson (not mandatory)</li> <li>• Rail Design Engineering Technician (to be agreed)</li> </ul>
601/9060/7	3	Pearson BTEC Level 3 Extended Diploma in Advanced Manufacturing Engineering (Development Technical Knowledge)	<ul style="list-style-type: none"> <li>• Mechatronics Maintenance Technician</li> <li>• Product Design and Development Technician</li> <li>• Technical Support Technician</li> <li>• Toolmaker and Tool &amp; Die Maintenance Technician</li> <li>• Machinist (to be agreed)</li> <li>• Maintenance and Operations Engineering Technician (not mandatory)</li> <li>• Engineering Design and Draughtsperson (not</li> </ul>

			mandatory) <ul style="list-style-type: none"> <li>• Rail Design Engineering Technician (to be agreed)</li> </ul>
601/9063/2	3	Pearson BTEC Level 3 Diploma in Aerospace and Aviation Engineering (Development Technical Knowledge)	<ul style="list-style-type: none"> <li>• Aerospace Manufacturing Fitter</li> <li>• Aerospace Manufacturing Electrical, Manufacturing and Systems Fitter</li> <li>• Aircraft Maintenance Fitter/Technician – Fixed and Rotary Wing</li> </ul>
601/9057/7	3	Pearson BTEC Level 3 Extended Diploma in Aerospace and Aviation Engineering (Development Technical Knowledge)	<ul style="list-style-type: none"> <li>• Aerospace Manufacturing Fitter</li> <li>• Aerospace Manufacturing Electrical, Manufacturing and Systems Fitter</li> <li>• Aircraft Maintenance Fitter/Technician – Fixed and Rotary Wing</li> </ul>
TBC	3	Pearson BTEC Level 3 Diploma in Rail Engineering Technician Knowledge (due June 2017)	<ul style="list-style-type: none"> <li>• Rail Engineering Technician</li> </ul>
TBC	3	Pearson BTEC Level 3 Diploma in Composites Engineering Knowledge (due TBC)	<ul style="list-style-type: none"> <li>• Composites Technician</li> </ul>
TBC	3	Pearson BTEC Level 3 Diploma in Airworthiness Planning, Quality and Safety Knowledge (due TBC)	<ul style="list-style-type: none"> <li>• Airworthiness Planning, Quality and Safety Technician</li> </ul>
TBC	4	Rail Engineering Advanced Technician Knowledge (due Sept 17) – Probably HNC	<ul style="list-style-type: none"> <li>• Rail Engineering Advanced Technician</li> </ul>

**Areas where Pearson have no planned/defined offer (although existing Pearson products could be used)**

**Level 2**

Aviation Maintenance Mechanic (Military)  
Welder – Level 2

**Level 3**

Survival Equipment Fitter  
Maritime Mechanical Fitter  
Maritime Pipeworker  
Maritime Fabricator  
Maritime Electrical Fitter  
Welder – Level 3

**Level 4**

Aircraft Maintenance Certifying Engineer

**Level 6**

Aerospace Engineer  
Aerospace Software Development Engineer  
Electrical/Electronic Technical Support Engineer  
Control/Technical Support Engineer  
Manufacturing Engineer  
Product Design and Development Engineer  
Embedded Electronic Systems Design and Development Engineer

**Level 7**

Systems Engineering