

## WorldSkills UK Assistant Training Manager – Specialist Skills

Please review these in tandem with application guidance in the Assistant Training Managing information pack.

WorldSkills Skill No. & Skill Name	Specialist Technical Skills
<p><b>04. Mechatronics</b></p>	<p>An Assistant Training Manager for the WorldSkills Mechatronics competition would need a range of specialist technical skills, including:</p> <p>Excellent understanding and practical experience of core principles of Mechatronics</p> <ul style="list-style-type: none"> <li>- Pneumatics</li> <li>- ElectroPneumatics</li> <li>- Panel Wiring (DC)</li> <li>- Mechanical Assembly of Automation systems</li> <li>- Software Development</li> </ul> <p>Understanding and familiarity with FESTO equipment, including FESTO Didactic MPS range. * Ability to read/understand datasheets</p> <p>Excellent understanding of Siemens TIA Portal, (or transferable skills/knowledge from alternative platform)</p> <ul style="list-style-type: none"> <li>- WinCC</li> <li>- Profinet Devices, IO-Device Networking (Data exchange PLC&lt;&gt;PLC)</li> <li>- IO-Link Devices master/slave setup</li> </ul> <p>Excellent understanding of Industrial Networking</p> <ul style="list-style-type: none"> <li>- Profinet, TCP/IP, OPCUA</li> </ul> <p>More details are available here: <a href="#">WorldSkills Occupational Standards - Mechatronics</a></p>