

**BACKGROUND DETAILS :**

<b>Sector :</b>	Precision Engineering
<b>Industry Overview :</b> <i>(Brief description of the sector)</i>	<p>The Precision Engineering (PE) industry is an important pillar of the Singapore economy, both as an industry vertical and as an enabler of the manufacturing sector, serving key industries such as aerospace, oil &amp; gas, marine and offshore, electronics and medical technology. There are two main sub-sectors in the PE sector. The <b>Component OEM</b> sub-sector manufactures critical components such as lasers, optics, motors, sensors, precision pumps and valves. The <b>Complex Equipment</b> sub-sector manufactures semiconductor, test &amp; measurement, Light Emitting Diode, additive manufacturing and machining tools.</p> <p>In 2015, the PE industry accounted for 10.6% of Singapore's total output in manufacturing, 13.3% of total value added (VA) and employed 23% of the manufacturing workforce.</p> <p>The PE industry is expected to grow over the next few years with new advanced manufacturing areas such as advanced robotics and automation, additive manufacturing, laser and optics, sensors, advanced materials, and digital manufacturing (i.e. Industry 4.0). With these new growth areas, 3,000 PMET jobs are expected to be created by 2020.</p>

**JOB DETAILS :**

<b>Job Title :</b> <i>(Upon Completion Of Programme)</i>	Possible job titles: <ul style="list-style-type: none"> <li>• Advanced Manufacturing Engineer*</li> <li>• Advanced Manufacturing Assistant Engineer*</li> </ul>
<b>Nature Of Job :</b>	<ul style="list-style-type: none"> <li>• Technical in nature</li> </ul>
<b>Monthly Gross Salary :</b>	Suggested monthly gross salary: <ul style="list-style-type: none"> <li>• Advanced Manufacturing Engineer* - \$3,300 to \$5,800</li> <li>• Advanced Manufacturing Assistant Engineer* - \$2,600 to \$3,900</li> </ul> <p>*Title may vary from company to company</p>
<b>Job Requirements :</b> <i>(e.g : No physical disability, Medically fit, etc.)</i>	<ul style="list-style-type: none"> <li>• No physical disability and medically fit.</li> </ul>

**COURSE DETAILS:**

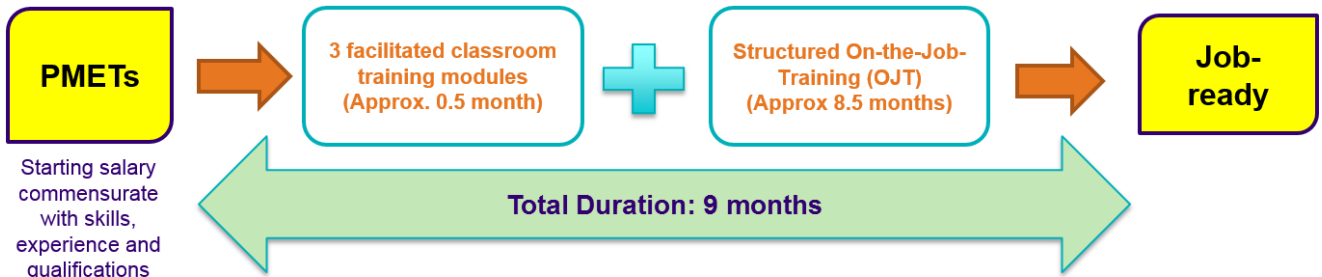
<b>Programme Name :</b>	Professional Conversion Programme for Advanced Manufacturing Engineer / Advanced Manufacturing Assistant Engineer
<b>Qualification / Certificate Name :</b>	3 facilitated classroom training modules^ that are: <ul style="list-style-type: none"> <li>• External training courses such as:             <ul style="list-style-type: none"> <li>○ Singapore Workforce Skills Qualifications (WSQ) courses;</li> <li>○ Non-WSQ courses (e.g. MOE-supported – ITE, Polytechnic, University, or equivalent training institutes);</li> </ul> </li> </ul> <p><b>and/or</b></p> <ul style="list-style-type: none"> <li>• Delivered in-house on relevant topics such as:             <ul style="list-style-type: none"> <li>○ Additive manufacturing / process / equipment support and maintenance / manufacturing processes / metrology / surface engineer / fabrication / industrial engineering / materials engineering / contract manufacturing / WSH / etc</li> </ul> </li> </ul> <p>^Training plan is to be submitted to the Programme Manager for endorsement before the commencement of the training.</p>
<b>Full-Time / Part-Time :</b>	Interested individuals are employed by the company as a full-time staff and will undergo On-the-Job-Training (OJT) with suitable facilitated classroom training.


<b>Duration Of Programme :</b>	9 months		
<b>Course Pre-Requisites :</b>	<p>Candidates with technical background is preferred.</p> <p>To apply, you should:</p> <ul style="list-style-type: none"> <li>• Be a Singapore Citizen or Singapore Permanent Resident;</li> <li>• Be at least 21 years old;</li> <li>• Have graduated or finished National Service for at least 2 years;</li> <li>• Be newly hired and nominated by an eligible participating company for the PCP; and</li> <li>• Not be in a similar job role prior to joining the PCP.</li> </ul>		
<b>Frequency of Runs :</b> <i>(e.g: twice a year, quarterly intake, etc.)</i>	Rolling Intake		
<b>Training Schedule:</b> <i>(e.g: next intake date)</i> <b>List all the training dates for 2017/18</b>	Rolling Intake		
<b>Class Size :</b> <i>(e.g: no. of pax)</i>	<b>Minimum:</b>	NA	<b>Maximum:</b> NA

**APPLICATION DETAILS:**

<b>How To Apply For The Programme :</b> <i>(e.g : Go to WSG Portal, Apply via Career Centres, Contact Training Provider, etc.)</i>	Varies with hiring companies. Please check with Programme Manager (Singapore Precision Engineering and Technology Association)		
<b>Programme Manager Details :</b>	<p>Interested companies or individuals may contact:</p> <p><b>Singapore Precision Engineering and Technology Association (SPETA)</b>  2 Ang Mo Kio Drive  Block H, Level 3, Unit 07  Singapore 567720</p> <p>Email: royce@speta.org</p> <p>Telephone: 6753 8909</p>		

# Professional Conversion Programme (PCP) for Advanced Manufacturing Engineer and Assistant Engineer



Job Areas				Programme Manager
Additive Manufacturing (3D Printing)	System Simulation	Robotics and Automation	Mechanical Design	 <b>Singapore Precision Engineering and Technology Association (SPETA)</b>
Non-Destructive Testing	Materials and Surface Evaluation	Software/Firmware Programming	System Assembly and Production	
Fabrication	Product Design	Quality Assurance/Control	Reliability	
Contract Manufacturing	Surface Engineering	Research & Development	Technical Support*	



*\*\*“Technical Support” – Includes product development, technical buyer, and job roles as defined by company and endorsed by SPETA*