

## Southern Futures & FEVER 2009 Vocational Training Course

### Engineering – Manufacturing Pathways

Full Certificate 1 Manufacturing, Training Package MSA 10107 – includes units from Competitive Manufacturing MCM04; Metal & Engineering MEM05

*This course has been especially designed to provide students with real life hands on experience through project based and work place learning, and to back up informed career choices about accessing possible career opportunities within manufacturing industries. This is an area of projected job opportunities in SA.*

**Job summary;** Employees work as part of a team to perform a range of engineering functions using machines, tools and equipment to manufacture and/or assemble a diverse range of components or products.

Desired attributes:	Enjoy practical and manual work, be physically fit, have good eyesight and good hand-eye coordination, be able to carry out repetitive tasks quickly and methodically, be able to work as part of a team, be able to read instructions and be safety conscious.
Career Pathways:	Year 11 preferred and then apprenticeships, and/or further education. Refer to <a href="http://www.myfuture.edu.au">www.myfuture.edu.au</a> for more career pathway information.
Location:	TAFESA, Noarlunga Campus, Engineering Dept
Duration:	1 day / wk for 18 weeks (dates TBA) starting semester 1
Training Provider:	TAFE SA Noarlunga Campus, Noarlunga Centre RTO 40161
Times:	8.00am – 4.40pm
Cost:	TBA
Work Placement:	A compulsory 5 day work placement in local engineering businesses.
Student requirements:	<ul style="list-style-type: none"> <li>• <b>Must</b> - wear tight/fitted clothing (jeans and long sleeve shirt OK) and steel capped boots, bring pens and paper.</li> <li>• Year 11 &amp; 12 preferred, but year 10 students need to have a good grasp of mathematical concepts</li> <li>• As much of the course is in a workshop, piercings must be removed or taped up</li> <li>• To gain the Certificate 1 in Manufacturing, attendance each week is essential.</li> <li>• If ill, it is expected that the student will phone the Engineering Office 8207 3953 or 8207 3940 of the RTO on the morning of the absence.</li> </ul>
Contact:	Deb Schofield (office) 8207 3953 Fax 8207 3847
Class restraints:	Maximum of 12 students, minimum of 10

It is anticipated that units will come from the list below

Code	Unit	Nom Hours
MCMP298A	Make an object from metal	40
MSAPCI101A	Adapt to work in the manufacturing industry	18
MSAPCI102A	Apply effective work practices	18
MSAPCI103A	Demonstrate care & apply safe practices at work	18
MEM18.1C	Use hand tools	20
MEM18.2B	Use power tools	20
MEM5.7C	Manual heating/thermal cutting	20
MEM3.1B	Manual production assembly	40
MEM5.50B	Perform routine gas metal arc welding	20
MEM12.23A	Perform engineering measurements	30
<b>Total Hrs (4 SACE units)</b>		<b>Approx 224 hrs</b>

Any queries about this course, contact the Program Co-ordinator on ph: 8207 3811 or mob: 0418 891 877

*Details correct at 29<sup>th</sup> August 2008*