

Open Awards Qualification Unit



This unit forms part of a regulated qualification.

1 Unit Details

Unit Title:	Mechanical Engineering
Unit Reference Number:	F/650/3645
Level:	Entry Level Three
Credit Value:	6
Minimum GLH:	50

2 Learning Outcomes and Criteria

Learning Outcome (The Learner will):	Assessment Criterion (The Learner can):
1. Know how mechanical engineering links to science and mathematics	1.1 State the main purpose of mechanical engineering
	1.2 State the links between mechanical engineering and science
	1.3 State how mathematics is used in mechanical engineering
2. Know what mechanical engineering is	2.1 State what is involved in mechanical engineering
	2.2 Identify a range of items and appliances that require mechanical engineering
3. Know the role of mechanical engineering in the world around us	3.1 Identify industries which require mechanical engineering skills
	3.2 Identify a range of job roles requiring mechanical engineering skills
4. Know the benefits and drawbacks of mechanical engineering in today's world	4.1 Identify a range of benefits of mechanical engineering including: <ul style="list-style-type: none"> • Economic benefits • Environmental benefits

	4.2	Identify a range of drawbacks of mechanical engineering
5. Know about tools and equipment used in mechanical engineering	5.1	Identify a range of tools and equipment used in mechanical engineering
	5.2	State the purpose of given tools and equipment for mechanical engineering
	5.3	State ways to store and maintain tools and equipment used in mechanical engineering
	5.4	Identify risks from tools and equipment used in mechanical engineering