Engineering
Principal Learning Structure

Level 1 All units are compulsory.			
		GLH	**Assessment**
Unit 1	Introducing the Engineering World	30	External
Unit 2	Practical Engineering and Communication Skills	60	Internal
Unit 3	Introduction to Computer Aided Engineering	30	Internal
Unit 4	Developing Routine Maintenance Skills	30	Internal
Unit 5	Introduction to Engineering Materials	30	Internal
Unit 6	Electronic Circuit Construction and Testing	30	Internal
Unit 7	Engineering the Future	30	Internal

Level 2 All units are compulsory.			
		GLH	**Assessment**
Unit 1	Exploring the Engineering World	60	Internal
Unit 2	Investigating Engineering Design	60	Internal
Unit 3	Engineering Applications of Computers	60	Internal
Unit 4	Producing Engineering Solutions	60	Internal
Unit 5	Electrical and Electronic Circuits and Systems	30	Internal
Unit 6	Application of Manufacturing Techniques in Engineering	60	Internal
Unit 7	Application of Maintenance Techniques in Engineering	30	Internal
Unit 8	Exploring Engineering Innovation, Enterprise and Technological Advancements	60	External

Level 3

All units are compulsory.

		GLH	Assessment
Unit 1	Investigating Engineering Business and the Environment	60	External
Unit 2	Applications of Computer Aided Designing	60	Internal
Unit 3	Selection and Application of Engineering Materials	60	Internal
Unit 4	Instrumentation and Control Engineering	60	Internal
Unit 5	Maintaining Engineering Plant, Equipment and Systems	60	Internal
Unit 6	Investigating Modern Manufacturing Techniques used in Engineering	60	Internal
Unit 7	Innovative Design and Enterprise	60	Internal
Unit 8	Mathematical Techniques and Applications for Engineers	60	External
Unit 9	Principles and Application of Engineering Science	90	Internal