

Support with Applications to Study 14-16 at Key Stage 4

- The opportunity to undertake a Diploma will be discussed at Year 9 Options Events.
- If the Diploma route has been agreed, Tutors, Careers Coordinators and Connexions Advisers will support learners in making an application through their school at an appropriate level.

Support with Application to Study Post-16 at Key Stage 5

- The Post-16 learner route will be discussed at Year 11 Choices Events.
- Tutors, Careers Coordinators and Connexions Advisers will support learners in making an application for a Diploma operating at school and/or College.

The entry requirements for starting a Post-16 full-time Diploma at levels 1-3 will be based on the following guidelines:

- A learner who wishes to undertake a Level 3 Advanced programme requires at least 5 GCSE grades A*-C, normally including English and Maths.
OR
A suitable alternative Level 2 qualification
- A learner who wishes to undertake a Level 2 Higher programme requires at least 4 GCSE passes at grade D and above, normally including English and Maths.
OR
A suitable alternative Level 1 qualification
- A learner who wishes to undertake a Level 1 Foundation programme must have completed a GCSE or Entry Level programme and be able to demonstrate the commitment to benefit from the course.

A new way of learning

The Diploma in Engineering is a new qualification which will be taught in an exciting and revolutionary way.

Part of the course will take place at school and/or North Hertfordshire College and the rest will involve work with employers and local

"The Diploma contains the knowledge and skills needed for a head start in business life".

Sir Alan Jones
Chairman of
Toyota Manufacturing
UK Ltd.

"We are looking forward to receiving applications from learners with the new advanced Diplomas".

Professor Tim Wilson
Vice Chancellor, University
of Hertfordshire

Engineering businesses, taking part in a number of investigative days at the University of Hertfordshire and the completion of an exciting extended real world project.

PROGRESSION ROUTES

14-16 → 16-19 → 19+

Level 1 Foundation or Level 2 Higher Diploma in Engineering plus GCSEs at Key Stage 4	LEADING TO	Level 3 Advanced Diploma in Engineering (Foundation & Higher also available)	LEADING TO	Employment
		Work-based Learning (NVQ)		Higher Education
		Advanced Apprenticeships		Further Education
		'A' levels		
		International Baccalaureate		

For more information go to www.hertschoices.org.uk or www.hertsahead.org.uk

New for
2008

ENGINEERING DIPLOMA

Preparing for success in the engineering world of tomorrow

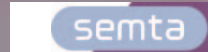
- Flexible innovative qualifications in Engineering
- Available for learners both at 14-16 and Post-16
- Offered at Level 1 Foundation, Level 2 Higher and Level 3 Advanced
- Valuable insight into Engineering sector
- Clear focus on employability skills
- Progression to further study, university and employment with training



Improving
choices
Improving
chances



department for
children, schools and families



Improving chances

The need for the Diploma in Engineering

The coverage of the new Diploma in Engineering will ensure that young people know what is expected of them by industry. This will reduce the turnover of new recruits, thus helping both industry and the individual.

Gareth Humphries MBE
HR Adviser Education Liaison
MBDA UK

Improving choices

Who should do a Diploma in Engineering?

- **Learners who are aged 14-16** who have a real interest in Engineering and want to put alongside their GCSE studies a practical and applied, employment focussed, Level 1 Foundation or Level 2 Higher, introduction to the context of Engineering.
- **Post-16 learners** who want to complete an employer-designed and recognised full-time programme in Engineering at Level 1 Foundation, Level 2 Higher or Level 3 Advanced with a view to further study, university where appropriate, or employment with training.

What is a Diploma in Engineering equivalent to?

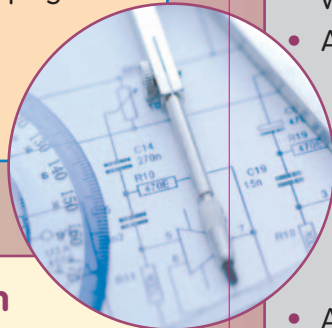
- Level 1 Foundation Diploma = 4-5 GCSEs at Grade D-G
- Level 2 Higher Diploma = 5-6 GCSEs at Grade A*- C
- Level 3 Advanced Diploma = 3 'A' levels
- Level 3 Progression Diploma = 2 'A' levels



Achieving excellence

What the Diploma provides

- An understanding of the Engineering sector and the potential it has for improving the way in which we work, live and take our leisure.
- An appreciation of the importance of Engineering today including such areas as:
 - ◆ The transport infrastructure
 - ◆ The search for medical solutions
 - ◆ Developing new sources of power
 - ◆ Maintaining water supplies
 - ◆ Creating new leisure interests and challenges.
- An opportunity to develop valuable employability skills in English and Communications, Maths, IT, a project, and personal skills such as critical analysis, problem solving and creative thinking.
- A work experience element which takes learning by doing into the Engineering workplace.
- The opportunity to select from a wide range of additional or specialist learning, including additional GCSEs or 'A' levels in Maths, languages, arts and science. This flexibility helps to keep options open in terms of further study, Higher Education or training choices.



Scenarios on how the Diploma in Engineering may be used



Gurdeep studying 14-16

Gurdeep had always had an interest in repairing things and a desire to understand how things work.

At his Year 9 options evening it was agreed with his school that he should take the Level 2 Higher Diploma in Engineering alongside the core national curriculum GCSEs. The practical teaching and hands-on approach appealed to him as he enjoyed learning this way.

He liked the fact that he could also continue to study some additional GCSE mainstream subjects along with his Diploma as he had a strong interest in History inherited from his parents.

His parents are archaeologists and the mechanical skills he learnt were of considerable value when he joined them on digs during the summer.

When he was 16 he progressed onto the Advanced Diploma taking AS History alongside it.



Emma studying 16+

Emma achieved 5 GCSEs at grades A* - C. She chose the Advanced Engineering Diploma along with AS Business.

Emma worked with her father (a car mechanic) during her Year 10 work experience week and wanted to set up in business with him when she completed her studies.

The Diploma provided her with the opportunity to gain practical experience whilst developing business know-how.

On completing the diploma she progressed onto a University degree in Business sponsored by an international motor dealership.

What employers have contributed to the Diploma in Engineering

- The Diploma in Engineering is an employer-designed and supported qualification. Employers will contribute to its delivery by giving talks, providing work experience and real life examples of engineering issues.

Great job opportunities

6,100 people are employed in the Engineering Industry in Hertfordshire. Across London and the South East this rises to 119,400 people. This covers automotive, water, gas, electricity, transport, oil and mechanical industries.

14,300 people work in the retail motor industry in Hertfordshire and there are 138,200 jobs across London and the South East. These may cover motor mechanic, vehicle body building and repair, auto electrician and sales.