

Engineering Diploma

● Is this course for me?

The Diploma in Engineering will open your mind to the extraordinary ways in which engineering affects every aspect of our lives today. You will explore and examine the contribution made by engineers and engineering technology, which will help you to make an informed choice about your future career.

● What does the course involve?

Learners studying the Diploma in Engineering will research and develop ideas, working as individuals and within teams across a wide spectrum of topics ranging from: research and development; manufacturing processes, computer aided design and development processes; cutting, forming and joining processes; technical drawing and maintenance procedures; materials and properties; electronic; and industrial machinery.

You will carry out a range of applied practical tasks which will develop transferable skills, knowledge and expertise that you can take with you into employment, or you can choose to continue studying in a specialist area.

You will gain experience of work through exploring real examples of industry related problems with support and guidance from your tutors and representatives from industry. You may attend local seminars, national events or have a work placement in a local company.

● Generic learning:

Learners will study functional skills, consisting of English, maths and IT, a personal project and will develop personal learning and thinking skills, i.e. problem solving, research and presentation skills.

● Principal learning which includes:

Foundation (level 1) introduces engineering and discovering its past and its future.

Higher (level 2) develops knowledge of engineering and explores at more depth similar topics to Foundation studies.

Advanced (level 3) expands and specialises engineering knowledge, developing an understanding of applied scientific and mathematical principles.

● Additional/Specialist learning

can be chosen from a wide range of existing units or qualifications at the appropriate levels.

● What options will be open to me if I successfully complete the course?

Progression can be made to a Diploma at a higher level or university, subject to attainment or direct into employment.

● Who can I contact for more information?

Please call Central Enquiries on 01462 424242

● Interview and reference required

Yes



“I want to work in planning and have taken part in a planning challenge with the local council”

INCLUDED IN THIS DIPLOMA

The engineered world: Looks at the importance of engineering in the modern world and the impact engineering has on the way we live our lives.

Discovering engineering technology: Introduces basic engineering principles such as design, materials, electronics systems, maintenance and manufacturing.

Engineering the future: Looks at what makes innovations succeed, how new materials contribute to design and how to develop and launch new ideas.

Engineering related careers are available in:

mechanics, electronics, telecommunication, biomedicine, aerospace, transport, design, oil, gas, chemical and nuclear energy and utilities, engineering manufacture and building services, sustainability, health, entertainment, farming, architecture.

WHAT ARE EMPLOYERS SAYING?

“We see Diplomas as an excellent opportunity to prepare young people for apprenticeships, workplace training or higher education as they will have the learning and attitudes that employers like Metsec value: team working, problem solving, analytical and creative thinking as well as the core skills of maths, English and ICT.”

Stephen Tilsley, Chief Executive, Metsec Plc and a member of the Diploma Employer Champions Network

