

TECHNOLOGY DEPARTMENT

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Engineering

Welcome to the Engineering department!

We appreciate leaving school and starting college can feel a bit overwhelming so it's really important that you choose the right career path in order for you to enjoy your time at college. Being motivated to achieve is a really positive way to start the career of your choice. As it is likely that you have not studied Engineering at school, it is worth looking into what the course involves and what progression routes will be open to you once you have completed your qualifications.

At East Surrey College we offer Level 2 and Level 3 Engineering.

Our Level 2 qualifications are a combination of practical and theory. You will need to demonstrate knowledge in the subject as well as the practical skills required by the industry. You will cover subjects such as 'Producing Mechanical Engineering Drawings Using a CAD System', 'Producing Components Using Hand Fitting Techniques', 'Preparing and Using Lathes for Turning Operations' and 'Preparing and Using Milling Machines'. Successful completion at Level 2 can lead to Level 3, Apprenticeships or career opportunities.

Our Level 3 qualifications are predominantly theory based and the attached tasks will help you prepare to study at this level. Successful completion of Level 3 can offer opportunities into work, apprenticeships or Higher Education.

Please see below Engineering YouTube clips that you may find interesting and will provide you with a taster of what you will be learning:

<https://www.youtube.com/watch?v=9jnImv4lrj4> Promising Careers with BTEC Engineering

https://www.youtube.com/watch?v=mO-l3E3_qBs Apprenticeships at East Surrey College

<https://www.youtube.com/watch?v=O4bsATm4s1w> BTEC Engineering

<https://www.youtube.com/watch?v=ocHpMrjTOsY> BTEC Engineering: The Benefits of BTEC

<https://www.youtube.com/watch?v=0PXdvlculoU> Destinations within Engineering

<https://www.youtube.com/watch?v=jM-cWGRf8lQ> BTEC Engineering: The Benefits of BTEC

<https://www.youtube.com/watch?v=n3jvtRQvY7c> Studying BTEC Engineering

<https://www.youtube.com/watch?v=ALo56uXuE8Y> Drilling – Performing Engineering Operations

Work Submission

Once you have completed your project, please forward the document (or if you have been working on a project offline eg a sketchbook portfolio please forward a photo of what you have completed) to the following email address along with your full name: submissions@esc.ac.uk. We'll then forward this on to our curriculum teams who will be in touch shortly.

May I take this opportunity to wish you every success on your learning journey and hope that we will see you at East Surrey College soon.
