

HND General Engineering	
Department	Engineering & Construction
Awarding Body	Pearson
Course Name	N/A
Full-time Duration	1 year
Course Code	N013
Course Name	HND General Engineering
Full-time Annual Fee	£6,360
Entry Requirements	UCAS Tariff 64 points Pearson BTEC Level 3 National Extended Diploma Engineering A* to C grade and/or 9 to 4 in GCSE Maths and English
Study Location	University and Professional Development Centre, 73 Western Way, Bury St Edmunds, and West Suffolk College Sixth Form Campus, Out Risbygate, Bury St Edmunds UK
Course Information (Max 4000 characters)	<p>This course provides a broad base of topics in engineering, allowing students the knowledge to make an informed choice for career or further study.</p> <p>The subjects chosen show employers candidates who are multiskilled in engineering disciplines.</p> <p>The chosen units prepare students to move on to specific areas of engineering at Level 6 or to enter employment with the qualities and abilities necessary for roles that require personal responsibility and decision making. Students will be able to develop and apply their own ideas to their studies, to deal with uncertainty and complexity, to explore solutions, demonstrate critical evaluation and use both theory and practice in a wide range of engineering situations. By the end of Level 5 study, students will have a sound understanding of the principles in their area of specialist study and will know how to apply those principles more widely in the industry. They will be able to perform effectively in their specialist area.</p>
HECOS Codes	Subject code 1 (50%) 100190 - mechanical engineering Subject code 2 (50%) 100202 - manufacturing engineering
Assessment Methods (Max 4000 characters)	Assessment will be a variety of written assignments, time constrained tasks and report

Modules (Max 4000 characters)

Research project – covers the skills needed to research and produce a report on a given or chosen engineering topic. This module counts as 2 towards the final grade.

Professional engineering management – the skills to manage projects of more complexity and with more staff.

Further mathematics – building on the HNC mathematics to give greater understanding of the techniques used to solve engineering challenges. Advanced mechanical principles – looking at further areas of engineering that may be encountered in a career.

Advanced manufacturing technology – looking at the use of adaptable manufacturing techniques and how industry 4.0 can be utilised in manufacturing.

Lean manufacturing – the tools used to streamline operations and improve productivity and efficiency in the workplace.

Industrial systems – the study of electronic control systems and mechatronic interfaces.

Additional Potential Costs (Max 4000 characters)

Outside of course fees, there are some additional costs associated with the completion of the programme.

Additional costs may include the purchase of core texts – we acknowledge individuals may prefer hard copy core texts for annotation and reference.

Membership of engineering body recommended approximately £20