

Course Details & Specification

Engineering Systems Foundation Degree Validated by the University of Bath	
Course Code	TBC
Qualification & Course Level	Foundation Degree Level 5
Course Duration	2 Years
Course Type	FT
Duration	Full Time
Campus	Chichester
Start Date	September



Course Description

The Manufacturing and Production Engineering industry is enjoying rapid development and growth across the globe.

This exciting new programme has been designed to support you in gaining the necessary skills and experience required to work in the Engineering Sector.

The course aims to equip students with the practical and professional abilities required as well as providing a broad range of analysis, design and implementation skills.

Entry Qualifications (if any)

The entry requirements for this programme are:

- Successful completion of an Entry Interview
- BTEC Diploma L3 in Engineering or Advanced Apprenticeship in an Engineering related subject, 3 A levels (Maths, Physics are preferred)
- GCSE Maths and English (A-C grades)

Appropriate work experience is an essential requirement for students throughout the programme.

Mature applicants with relevant industry experience are also encouraged and considered for the programme.

IELTS 6 in English is essential for International students.

Course Structure & Content

The Foundation Degree Programme consists of 21 individual units ranging from Study Skills to Hydraulics, Pneumatics and Automation Control. There is a clear focus on Engineering in the 21st Century and the Manufacturing base on which it is designed is supported by the fundamental Maths and Science principles units.

You will also develop Professional and Business Management Skills which will support you in your future in the Engineering Manufacturing Industry.

For more information ask for the programme specification.

For further information please contact Admissions on 01243 786321

Units:

Quality Improvement Techniques, Introduction to HE Study Skills, Mathematics for Engineers, Engineering Science, Materials Technology, CAD CAM, Application of HE Study in the Workplace, Mathematics for Engineers 2, Engineering Science 2, Manufacturing Principles, Work Based Learning, Hydraulics and Pneumatics, Developing Professional Skills, Mechanical Principles, Engineering Business Management, Automation, Control & PLCs, Introduction to Research Methods, Impact of Engineering on the Environment, Health & Safety, Risk Assessment, Robotics and 21st Century Manufacturing.

Course Delivery

This programme will be delivered in a variety of learning environments which will help to support development of the learners self study skills. A variety of practical and theoretical applications will be used to reinforce the learning along with a strong emphasis on Work related learning in the Industry.

Course Assessment

This course is assessed through on going course work throughout the programme. There will be some end of unit examinations.

Work Experience (if any)

Placement in the engineering Industry is a mandatory requirement of this qualification.

Additional Costs

- Text books
- Personal Protective Equipment (Safety Shoes and Overalls)

Course Progression

This qualification will provide access to an Honours Degree (BSc Engineering Systems.)

Career Opportunities

Employment in the Engineering/Manufacturing Industry.