

## Programme Structure

(all modules are required to complete the programme)

Module Title	Level	Credits
<b>Year 1 (Based on Full-time mode)</b>		
Introduction to Organic and Medicinal Chemistry	C	15
Basic Laboratory Practice	C	15
Intermediate Laboratory Practice	C	15
Project Management and Work Related learning	C	15
Cell Biology	C	15
Biochemistry	C	15
Microbiology	C	15
Human Physiology and Disease	C	15
<b>Year 2</b>		
Metabolism and enzymes	I	15
Infection and Immunity	I	15
Advanced Laboratory practice	I	15
Applied Microbiology	I	15
Manufacturing Processes and Advanced Instrumentation	I	15
Company Organisation and Entrepreneurship	I	15
Work Experience	I	30

**Note:** In the unlikely event that students are unable to complete the Work Experience module, they will be unable to complete the Foundation Degree. There will however be an opportunity to complete a 30 credit module which will enable students to obtain an award of equal level and standing e.g. HND or HE Diploma.

Students are required to complete 120 credits at level C (certificate) before they can progress to level I (intermediate) study. Part Time students attend one full day each week and should be able to complete the programme in 2<sup>1/2</sup> - 3 years. Those already in work may be able to get credit for knowledge and skills gained in the work place.



### Stakeholders

Mid-Kent College  
South East England Development Agency  
Swale Forward  
Gateway Knowledge Alliance  
The International Institute of Biotechnology  
Communities and Local Government

### Collaborative Support

Sittingbourne Enterprise Hub  
Kent Science Park  
Regional Resource Centre Biotechnology and Healthcare  
University of Kent  
Canterbury Christ Church University

# A FOUNDATION DEGREE IN LIFE SCIENCE LABORATORY TECHNOLOGY AND BIO-MANUFACTURING

Delivered at the Kent Science Resource Centre  
'bringing industry and education together'

# A unique learning opportunity for a 21st century career

## Why take the course?

It has been created to meet the demands of the life science industry, one of the most dynamic and interesting sectors in the modern economy which will create the breakthroughs in science and medicine that will shape the 21st century. It provides you with a unique opportunity to learn the skills that the industry needs.

## Who will it suit?

It will provide opportunities for anyone who is interested in careful, detailed work and has good practical abilities. You will also need a reasonable foundation in Maths, and you may need to take a bridging course to improve your understanding of science.



## Will it help me to get a job?

This course has been developed in discussion with a number of the leading companies in the UK, including Pfizer, Genzyme and Abbott. It will be located on Kent Science Park, the home of a range of new, growing businesses who will form the future of bioscience in the area. Many of these businesses will be closely involved with the course, giving you a chance to show them what you can do. Career opportunities in this field are excellent as it has been identified by SEMTA as an area where there is a skills shortage.

## What will I learn?

The course will be based around the practical, laboratory skills that you need to work in the life sciences. It will also give you the background knowledge of science that you need for laboratory work. You will come out with the confidence that you need to apply your skills and knowledge in the workplace.

## What is a Foundation Degree?

These have been designed for people who want a mixture of academic learning with practical application of these skills. The courses bring you into much closer and regular contact with potential employers. You will complete this course in two years full-time.



The course also includes substantial amounts of time working with employers. Part time options are also available. An optional third year leading to an Honours Degree is also available.

## Course Fees - Can I get financial help?

There may be bursaries available to pay the course fees for this programme - further details can be gained on application. However, even if you don't qualify for a bursary, fees for this course are much less expensive than those paid for a similar course at university. The course fees for 2008/2009 will be £1225 per year. Students may apply for low interest loans from the Student Loans Company.

## Where is the course delivered?

At the Kent Science Resource Centre, a brand new purpose built training facility based on the Kent Science Park. This centre is managed by a group of Industry, Government and Educational partners to deliver cutting edge courses for the UK's industries of the future. The facilities are truly world class and are equal to those found in industry.

## How do I apply?

You may apply through the University of Kent via UCAS in the usual way. UCAS Code: C190

## Entry requirements

Two GCE A levels at grade D, including one from Biology, Mathematics and Chemistry or Vocational Science Based A level (double award) or BTEC National Certificate (Merit level) or a Science based Access qualification and GCSE English and Mathematics (or equivalent). Non native English speakers will need a pass in an approved English Language qualification. Mature applicants without the traditional qualifications are encouraged to apply. They may be asked to produce proof of any recent study and evidence that they have the ability to complete a degree programme successfully.

For more course information contact:

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For details about the Resource Centre contact:

### Kent Science Resource Centre

Kent Science Park, Sittingbourne,  
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Japanese Garden, Kent Science Park