



UNIVERSITY OF  
BRADFORD

# Technology Management

BSc Hons 3/4 years full-time

MAKING KNOWLEDGE WORK





Tony Waite

Having graduated with a First Class Honours degree, Tony joined Corus, one of the largest industrial companies in Europe on their two-year management training programme. Having successfully achieved this he moved into a commercial management role and now has client

responsibilities worth over £50 million and is presently on his first international posting in Holland.

“...the Technology Management course together with the two periods of industrial placement were ideal preparation for a commercial role”

“...as a Supply Chain manager, I have extensive contact with customers and liaise daily with logistics, manufacturing, finance and technical teams”



Lucy Shanahan

Following graduation, Lucy joined BAE Systems, the UK's largest manufacturing company on their management development programme. She is currently working with an advanced engineering team looking at the production of rocket propulsion motors.

“...the course is a very good overall package for any student wishing to pursue a career in the business world”

“...the degree made me stand out from the crowd”

“...I don't think that many other degree courses could have prepared me as well as this one has”

#### REALISE YOUR AMBITIONS

Whatever your ambitions, choosing the right degree has to be the starting point. It's often a tough decision to make, but one question that can often help in making such a choice is “...does the course have an outstanding record of graduate achievement?”

For over thirty years, the University of Bradford has pioneered a unique and innovative degree designed to meet the needs of individuals who aspire to take on challenging management roles in modern organisations - The BSc in Technology Management.

#### COURSE PHILOSOPHY

Most problems in the modern world are multi-dimensional and require a broad approach in order to solve them. The course does not therefore seek to produce narrow specialists, but individuals who, through their understanding of a wide range of management and technology subjects, have the skills to produce creative and original solutions to the inter-linked problems that arise in modern organisations

The course adopts a radical multi-disciplinary approach that seeks to integrate knowledge from many diverse areas of management and technology and to break down the barriers between different subjects.

All students have the opportunity to gain real-world experience by undertaking a one-year training placement with a commercial or industrial organisation.

#### OUR TYPICAL GRADUATE

Success for the modern organisation is a complex task dependent upon the collaboration of individuals with expertise in such areas as design, marketing, production, engineering, sales, finance and computing.

Getting people with such diverse backgrounds to work effectively together requires a manager with a strategic overview who is able to communicate effectively across different subject areas. This needs to be combined with excellent team-working and interpersonal skills.

#### ORIGINS OF THE COURSE

Our first intake of students was admitted in 1968 as a response to the growing demand in industry for individuals able to combine an in-depth understanding of management from a perspective of modern technology.

Over the years the course has been constantly updated and refined as management practices have changed and technology has advanced. But the fact that demand for its graduates remains strong only shows the continued relevance of its original philosophy.



#### COURSE STRUCTURE

The four-year course consists of three years of academic study at the University with a one-year training placement, usually taken at the end of the second year. Mature students with industrial experience and international students are exempt from the placement period and complete the course in three years.

#### COURSE CONTENT

One of the best features of a multi-disciplinary course is that you get to experience a wide range of subjects, many of which will be completely new. This helps you to gain an in-depth understanding of how a modern organisation works and prepares you for a wide range of careers.

The course has a roughly equal balance between management and technology subjects. The aim at all times is to build bridges between disciplines so that you are able to see how they all contribute towards the solution of problems.

Management subjects – here you will learn about the human, social and economic framework in which business takes place.

#### MANAGEMENT SUBJECT AREAS INCLUDE:

- Economics and finance
- Marketing and sales
- Social structure of society
- Organisational behaviour
- Corporate strategy
- Statistics and quantitative methods
- Product development and innovation
- Employment law and labour relations
- Health and safety management
- Operations management

# Creating the Managers of Tomorrow



Imraan Jagot

“The course is very varied which is good. In the first year there are lots of modules covering all areas at a basic level”

“The staff and students within the University are excellent. The staff are very friendly”...“everyone is on first-name terms”

“What really sold me on the idea of coming to Bradford were the placements offered as part of the course”

“My placement was at Assidoman Packaging near Bristol, where I implemented an automated system... I also had to train four separate shifts how to use the system”

I really enjoyed the work at Assidoman, and had a superb manager”...“I had a lot to do on my own initiative and my IT skills came in really handy”



Dave Townson

Upon graduation, Dave decided that he wanted to work in computing. After joining the AIT company he moved into consultancy and now has extensive client contact with companies seeking to develop their IT systems.

“...my degree provided me with the skills and experience to stay ahead of the typical graduate”

“...the course subjects were directly relevant to the ‘real world’ and my placements for Ford and Bass gave me invaluable experience”

“...the course gave me the perfect career platform”

Technology subjects – these are chosen to give you an understanding of the physical principles, processes, systems and techniques used to create manufactured products and deliver services.

#### **TECHNOLOGY SUBJECT AREAS INCLUDE:**

- Computing and Internet systems
- Materials properties and processes
- Engineering technologies
- Manufacturing methods
- Database management
- Electronics
- Instrumentation and control
- Quality management and reliability

#### **SPECIAL FEATURES OF THE COURSE**

**Final-year project** – In the final year of the course all students prepare an in-depth project on a subject area of their choice which is supervised by a member of staff. The project enables you to focus on a particular topic that is of interest to you and can often be related to your career ambitions.

**Management skills** – A great strength of the course is its emphasis on the development of the key management skills that you will need throughout your professional life and include:

- Presentation and explanation skills
- Verbal communication and writing
- Decision making
- Group and team-working skills
- Problem-solving techniques
- Time management
- Negotiation

Such skills are developed by specialist teaching and workshops that run throughout the course.

**Option modules** – In the final year of the course, students are offered a greater degree of choice and flexibility in their studies. A series of option modules, often based on the unique expertise of a member of staff, enables you to tailor the degree to your individual interests.

#### **HOW IS THE COURSE TAUGHT?**

The University uses a modular system for all its courses with each student needing to take the equivalent of twelve modules per academic year to gain an Honours degree.

Most teaching takes place through a series of formal lectures on each subject area. These are supported by tutorials and seminars where students work in smaller groups with a member of staff to explore a problem or issue in greater depth. Laboratory work is also carried out where students get to perform practical work and experiments to test out principles raised in lectures.

#### **THE STAFF THAT WILL TEACH YOU**

All staff are recognised experts in their own subject area and usually have many years of experience to draw upon. The majority are actively involved in research and have extensive links with industry to ensure that the course is kept up to date and incorporates the latest thinking on the many subject areas covered.

#### **HOW IS THE COURSE ASSESSED?**

The method of assessment for each module varies, but can be either by closed or open book examinations, coursework, laboratory reports or a combination of methods.

#### **STUDENT SUPPORT AND GUIDANCE**

All students upon joining the course are assigned a member of staff to act as their personal tutor. The role of your tutor is to provide help and guidance to you throughout your time with us at Bradford. Regular meetings all help to build up the friendly and informal atmosphere that is a characteristic of the course.

#### **TRAINING PLACEMENTS**

A distinctive feature of the course is that all students are required to undertake a one-year training placement to gain real-life experience. Your performance is also assessed and contributes towards your final degree classification. The placement provides a unique opportunity to see the links between the academic subjects studied at University with their application in the workplace.

Placements are undertaken in a wide variety of organisations and the University employs a full-time member of staff to help find placements, although students can decide to find their own. Whilst on placement, students work as normal employees with real responsibility – you also get paid!

Many students find the placement one of the best features of the course as it gives you the chance to demonstrate your abilities in a real-life situation. The experience and confidence it gives you provides a great competitive edge when it comes to applying for jobs after graduation!

This leaflet is available on request in Braille, large print and on audio tape or disk from the Disability Office Tel: 01274 233739

**THE UNIVERSITY OF BRADFORD – CONFRONTING INEQUALITY: CELEBRATING DIVERSITY**

The University has a comprehensive policy on equal opportunities, and is committed to promoting and supporting it across all aspects of University activity.

**PLEASE ADDRESS ALL ENQUIRIES TO:**

**The Admissions Office  
School of Engineering, Design & Technology  
University of Bradford  
Bradford  
West Yorkshire  
BD7 1DP**

**Tel: 01274 234567/233877**

**Fax: 01274 234111**

**Email: [ug-eng-enquiries@bradford.ac.uk](mailto:ug-eng-enquiries@bradford.ac.uk)**

**Website: [www.eng.brad.ac.uk/ugcourses/](http://www.eng.brad.ac.uk/ugcourses/)**



**COURSE CODES**

Applications for the course must be made through UCAS. The UCAS code for Bradford is **BRADF B56**. The UCAS course code is:

**Technology Management**

Four-year BSc **JN92 BSc/TM4** including placement year

Three-year BSc **JNX2 BSc/TM**

**CAREER OPPORTUNITIES**

When we get asked where do graduates work after this course, it would be better to reverse the question and ask where do they not work! Being such a broad course, career opportunities are extensive and our graduates over the years have gained employment with many of the UK's most prestigious companies.

**TYPICAL CAREER AREAS INCLUDE:**

- Computing & information technology
- General commercial management
- Finance and accounting
- Public services management
- Marketing, sales and customer liaison
- Manufacturing management
- Human resource management
- Purchasing and logistics
- Management consultancy
- Education and teaching
- Chartered engineering

**EMPLOYERS HAVE INCLUDED:**

- IBM ■ Ford ■ Marks & Spencer
- British Telecom ■ Sony Ericsson
- Barclays Bank ■ Rover Group
- National Health Service Management
- United Distillers ■ Orange

Many others have gone into research and further advanced study and a good number have even set up their own companies!

Further proof of our success is that 100% of our Technology Management graduates in 2003 were in employment or further study six months after graduation.

*\* These statistics are derived from annually published data based on those UK domiciled graduates who are available for employment and further study and whose destinations are known.*

**OUR APPROACH TO ADMISSIONS**

The course has a proud tradition of adopting a flexible admissions policy in order to break down barriers to entry. While many of the students we admit have qualifications in business, IT and science/technology, a radical aspect of our admissions policy is that we welcome applications from students whose previous qualifications may not be directly related to the course content.

Some of our best students have used the course to learn about management and technology having studied subjects such as arts and humanities at school and college previously.

We believe that regardless of your background, if you have the motivation to succeed then you will!

**ADMISSION REQUIREMENTS**

The entry requirements are typically around **200** UCAS tariff points depending on individual circumstances. This must include at least one 6-unit course at a minimum 60 points. We accept Key Skills as part of your points total.

Your GCSE passes must include Mathematics, English language and preferably a science subject at C grade.

We welcome applications from mature students who may have considerable work experience and who may be admitted without the usual entry qualifications. Please contact the Admissions Office who will be pleased to arrange an informal discussion with a course tutor.

**2+2 COURSES**

Students with a HND or equivalent in an engineering or business subject may be able to gain direct admission into the second year of the course. Please contact the Admissions Office who will be glad to arrange an interview with a course tutor.

**INTERNATIONAL STUDENTS**

Bradford has always made international students very welcome and we are always glad to receive applications from around the world. Please contact the Admissions Office for advice on entry qualifications.



The contents of this publication represent the intentions of the University at the time of printing. The University reserves the right to alter or withdraw courses, services and facilities without notice and to change Ordinances, Regulations, fees and charges at any time. Students should enquire as to the up-to-date position when they need to know this. Admittance to the University is subject to the requirement that the student will comply with the University's registration procedures and will duly observe the Charter and Statutes and the Ordinances and Regulations of the University from time to time in force.

Detailed maps of the University campus are available on our website at: [www.bradford.ac.uk/maps](http://www.bradford.ac.uk/maps)

Produced by Marketing and Corporate Communications, University of Bradford  
Print Production: Inprint and Design, University of Bradford

954/300/03/2005