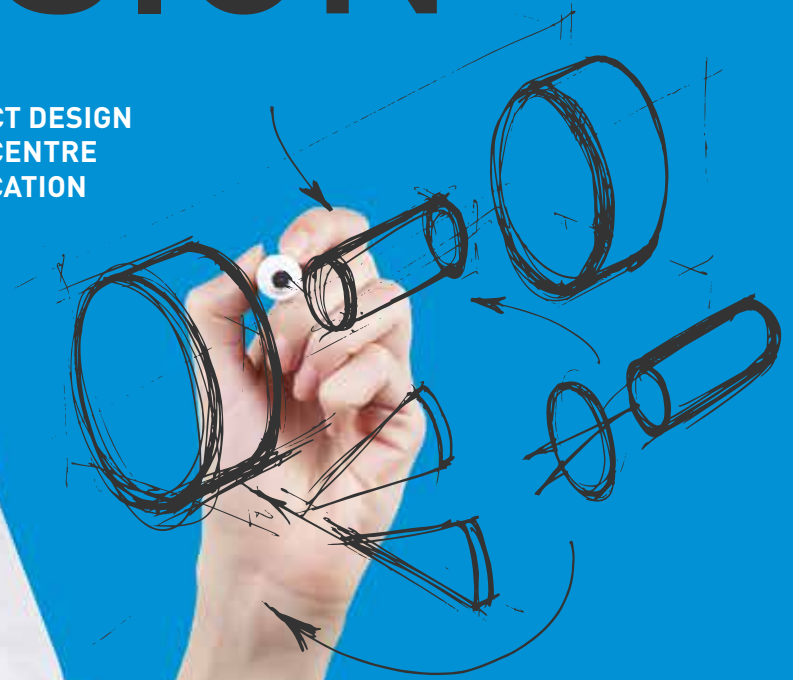




PRIFYSGOL
BANGOR
UNIVERSITY

BANGOR PRODUCT DESIGN

2014-16
BANGOR PRODUCT DESIGN
& TECHNOLOGY CENTRE
SCHOOL OF EDUCATION



www.bangor.ac.uk/education

The Bangor Product Design and Technology Centre will help you bring ideas to life through top class tuition and extensive prototyping and production facilities. Join our exciting Product Design course for opportunities to showcase your potential to prospective employers through workplace experience modules. If you have a passion to inspire others you could choose the Design and Technology programme which trains you to teach the subject in Secondary Schools and post-16 environments.



“ Product Design at Bangor has given me the tools and the confidence to transform pipedreams and blue sky thinking into reality with turnover and profit. ”

◀ **Matt Kennedy**, BSc Product Design / Workplacement at Rethinkthings Ltd, Unilever and I.S.C. (International Safety Components). Now working for the Industrial Design Team at Unilever packaging design.



www.viewcreative.co.uk

BSc Product Design

This Product Design degree will prepare you for a challenging and rewarding career in product design. The three-year BSc in Product Design is a tightly structured professional degree.

The course is designed for students who have their sights set on working in industry. Students gain an understanding of the whole manufacturing process and specialise in designing and manufacturing products.

Workplace Experience is a central element of the course and attention is given to the development and assessment of professional standards in accordance with the learning outcomes.

WHY STUDY PRODUCT DESIGN?

- In recent years our students have gained a growing reputation for producing work of a very high standard which has been exhibited nationally and drawn a great deal of media attention.
- The Centre has a pleasant working environment and is also an accredited regional CAD/CAM training centre.
- The Centre provides well-resourced facilities which include good technical support and the latest IT facilities.
- The School has an excellent staff/student ratio.
- Students can gain accreditation in CAD software.
- Work with high profile Design and Manufacturing companies to relate academic study to commercial practice.

“ The course enabled me to work in an industry I am passionate about and pursue my chosen career. The work placements have not only given me vital experience during term time, but have also lead to Summer employment and ultimately cemented my career firmly in the automotive industry. ”

◀ **Oliver Willis**, BSc Product Design / Workplacement at JCB, Aston Martin Lagonda and Bentley Motors.



MODULES

- Professional Practice
- Subject Study
- Workplace Experience

In **Professional Practice** you will learn about the issues that affect product designers:

- Organisations and Management
- Principles of Design
- Production Management
- Time Management
- Innovation
- Presentation Skills
- Marketing
- Presentation Skills

In the **Subject Study** modules you will learn about designing and applying the knowledge and skills you acquire by designing products and producing/refining prototypes:

- Applying Principles of Design
- Creativity
- Design Communication and Models
- Computer Aided Design (CAD)
- Computer Aided Manufacture (CAM)
- Manufacturing Skills
- Materials
- Prototyping
- Sustainable Development
- Safe working practices

Workplace Experience consists of 24 weeks over three years:

- 8-week block during each year
- Support by experienced mentors
- Visits by college link tutors
- Manufacturing
- Marketing
- Organisation

A final-year degree project will bring together all the above elements.

HOW WILL I LEARN?

- A minimum of 19 hours contact time per week in lectures/seminars
- Reading, preparing for seminars, completing coursework
- Assessment of professional studies elements through coursework and examinations
- Continuous assessment of subject study modules (there will be no formal written examination)
- Workplace experience monitored by tutors
- Regular personal tutorials

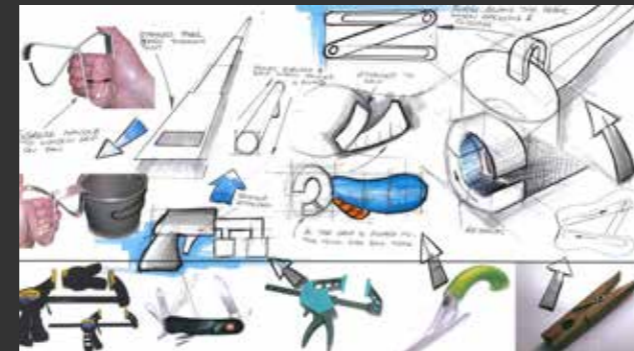
This course is also available through the medium of Welsh.

ENTRY REQUIREMENTS:

- 200-220 GCE/VCE points in relevant subjects
- BTEC National Diploma with both Distinction and Merit credits in relevant subjects
- Application as a mature student with relevant qualifications/experience on individual merit

“ Work experience meant that we could work in different industry environments gaining more knowledge and skills along the way. The variety of products we design over the 3 years gave me wider knowledge and skills on machinery, materials and graphics. ”

Hannah Marie Trematick, BSc Product Design.



Personal retractable safety line - Final Year Project
Produced by Robert Farrar, as a Year 3 major project;
now working with the partner company DMM International.

BSc Design and Technology Secondary Education

(LEADING TO QUALIFIED TEACHER STATUS)

This degree will qualify you to teach Design and Technology in Secondary Schools and in post-16 environments. The degree programme is designed to give you a broad foundation in the teaching of the subject and has been developed in response to the government's revised criteria for initial teacher training. One week's primary school experience is included in the course.

WHAT WILL I STUDY?

- There are three elements to the Design and Technology degree (Secondary Education): Subject Study, Professional Studies, and School Experience.

SUBJECT STUDY

In product design and technology modules you will learn to apply and develop your skills in a range of materials and production processes through:

- Design and Communication
- Design and Manufacture modules 1 to 5 (these include; applying principles of design, manufacturing skills, creativity, materials and prototyping, Computer Aided Design(CAD), Computer Aided Manufacture(CAM), Safe working practices).

- You will be based at the University's Normal Site which has its own library and resource centre housing an extensive range of bilingual primary and secondary teaching resources.
- The Product Design and Technology Centre has a pleasant working environment and is an accredited CAD/CAM Training Centre.
- The Centre provides well-resourced facilities which include good technical support and the latest IT facilities for trainee teachers.
- The Design and Technology degree (Secondary Education) forms part of a well-established partnership between the University and local secondary schools and will include presentations from practising teachers and LEA support staff.
- School experience forms a central element of the course, allowing you to develop the skills to begin a career as a Design and Technology teacher with confidence.
- The School has an excellent staff/student ratio.
- Students will gain accreditation in Health and Safety working practices and can also gain accreditation in CAD software.



“ I have a vision of what I want the project to look like in my mind and its fun to see it come alive on paper and as an actual working prototype. The course also strengthened my skills as a classroom practitioner and gave me the confidence to excel during school experience. ”

◀ **Catrin Lloyd Hicks**, BSc Design and Technology QTS.
Winner of the 2013 Santander Bangor University Entrepreneurship Award & Lloyd Jones Innovation Award.



PROFESSIONAL STUDIES

This will develop the skills needed to administer a course, plan teaching to meet National Curriculum Requirements, and achieve professional requirements expected of the profession. You will also spend a week on placement in a primary school.

SCHOOL EXPERIENCE

You spend 24 weeks over 3 years in a school, supported by experienced teachers and by tutors from the University. You will develop your teaching skills, adopting a variety of strategies that meet the needs of different learning situations. You will become familiar with the content of the National Curriculum and learn to plan appropriate schemes of work giving consideration to assessment and reporting requirements.

HOW WILL I LEARN?

You will spend an average of 20 hours per week in lectures/seminars. You will also need to read, prepare for seminars, complete coursework and prepare teaching resources.

The University-based elements are assessed through coursework (including the development of your design portfolio and practical project work) and examinations. Your school practice will be monitored by tutors.

ENTRY REQUIREMENTS

- 200-240 points including an A2/VCE level in a relevant subject plus GCSE grade B passes or above in Mathematics and English Language.
- BTEC National Diploma with both Distinction and Merit credits in relevant subjects.
- We consider applications from other mature students with relevant qualifications/experience on individual merit.
- All trainee teachers must apply for an 'Enhanced Disclosure' from the Criminal Records Bureau and this must be judged to be satisfactory by the College before the start of school experience.
- As part of the professional interview process you will be expected to sit a literacy and numeracy test.

DESIGN
CREATE
INNOVATE
INSPIRE



PRIFYSGOL
BANGOR
UNIVERSITY

WANT TO KNOW MORE?

Please contact: Course Administrator

Bangor Design & Technology Centre

School of Education

Bangor University


Bangor

Gwynedd

LL57 2DG

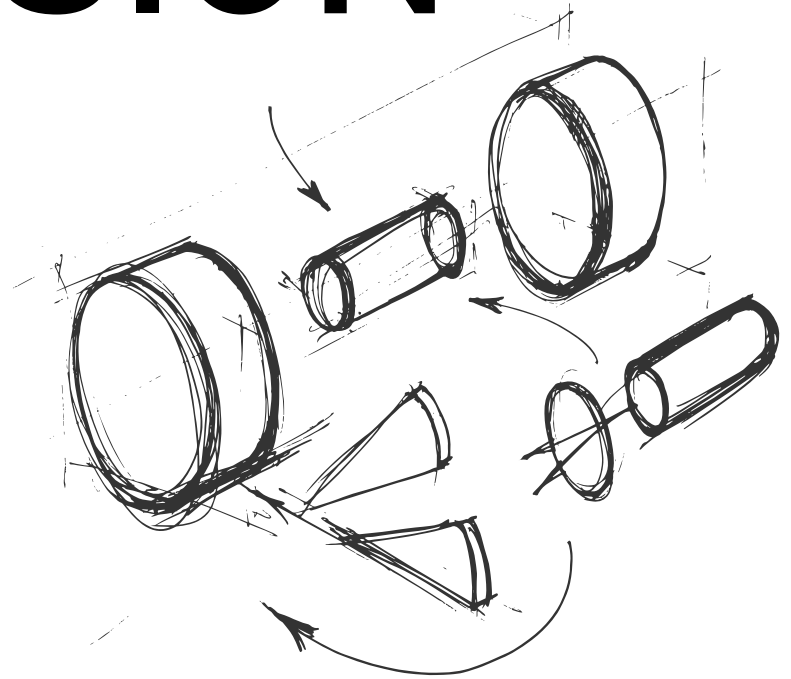
UK

+44 (0)1248 383082 

DTcentre@bangor.ac.uk 

www.bangor.ac.uk/education 

PRODUCT DESIGN



CREATE

INSPIRE