

Product Design

My Learning, My Future

Where can studying Product Design take you? Highlighting the relevance of Product Design to future careers and opportunities

Why study Product Design?

Solve
real-world
problems

Develop
in-demand
skills

Pathway to
exciting
careers

Blend art and
engineering

Unleash your
creativity

Explore a career as a...

Here are some example roles and careers linked to Product Design



**Furniture
Maker/Carpenter**

BBC Bitesize case study

BBC Bitesize case study



Product Designer

BBC Bitesize case study



**Architectural Assistant/
Technologist**

BBC Bitesize case study

Explore a career as a...

Here are some example roles and careers linked to Product Design



**Design and
Development Engineer**

BBC Bitesize case study



UX Designer

BBC Bitesize case study



Packaging Technologist

BBC Bitesize case study

Not so obvious subjects using Product Design:

Ever thought about..?

BBC
Bitesize

[How to become an Architectural Assistant: Hannah's story](#)

[How to become an Innovation Manager: Holly's story](#)

[How to become a Product Designer: Michael's story](#)

**National
Careers
Service**

[Everyone Can Be Creative](#)

[Blacksmith | Explore careers | National Careers Service](#)

[CNC machinist | Explore Careers | National Careers Service](#)

[Design and Development Engineer | Explore careers | National Careers Service](#)



MYPATH Job of the week (Product Design)

Urban Designer

Furniture Designer

Quantity Surveyor

KS3 Home learning task



Where can studying Product Design take you?

Name: _____ Tutor group: _____

Match the description to a tool or piece of machinery you might use during Product Design:

Linisher	This is used for turning an item in order to carry out such operations as drilling, cutting or sanding.
Mortise Machine	This is used for intricate cutting work which can include tight curves. Although the coping saw is often used for similar work, the fretsaw is capable of much more delicate work.
Wood Lathe	This is used to accurately and precisely drill holes through a variety of materials.
Fret Saw	This is used to smooth materials such as woods and plastics. It is also used to remove small amounts of waste material.
Band Saw	This is a specialised woodworking machine used to cut square or rectangular holes in a piece of wood.
Pillar Drill	This is used for sanding the edges and faces of a piece of timber.
Disk Sander	This is a piece of machinery that is used to cut angled or curved shapes on a piece of wood.



Design & Development Engineer	CAD Technician
Graphic Designer	Interior Designer

Creation of homework task accredited to Wolverley CE Secondary School, Worcestershire Careers hub.

Explore careers

Find out what a job involves and if it's right for you.

Use the National Careers Service Explore careers tool to research for this homework

[Explore here](#)

From passion to profession:

Share a role that sparks your interest

Prepare a 3 - 5 minute talk to share with a small group on any role that interests you related to Product Design



- What is the role?
- What do you need to do to get this role?
- Where do you need to go to carry out this role?
- What might a typical day look like?
- Why are you interested in this role?

Discover more about the role

Explore careers using [National Careers Service](#) and find out about what jobs involve and how they are right for you

Includes:

- Average salary
- Typical hours
- Work patterns
- Pathways/How to become
- Essential Skills
- Daily tasks
- Career path and progression
- Current opportunities

Research Ideas:

- [Carpenter](#)
- [Product Designer](#)
- [Architectural Technologist](#)
- [Design and Development Engineer](#)
- [UX Designer](#)
- [Packaging Technologist](#)

National Careers Service

We provide information, advice and guidance to help you make decisions on learning, training and work.

This service is available to people who live in England.

Skills assessment

Learn more about your skills and match them to potential new careers.

[Assess your skills](#)

Explore careers

Choose from over 800 career profiles to discover what each job involves.

[Search job profiles](#)

Find a course

Look for online learning opportunities and training courses local to you.

[Look for courses](#)

Careers advice

Making career choices

Whether starting your career, changing job or if you have been affected by COVID-19, understand and make the right choice for you.

Getting a job

Be successful in the recruitment process with tips on great CVs, interviews and graduate scheme applications.

Progressing your career

Move up in your career by developing new skills. Find opportunities like volunteering and online learning.

About us

The National Careers Service can help you with your career, learning and training choices. [Find out more](#) about the different ways we can support you.

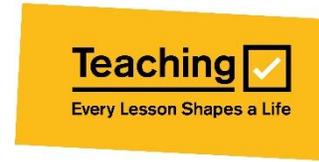
Speak to a careers adviser

Wherever you are in your decision-making, you can call us on [0800 100 900](tel:0800100900) or [use webchat](#).

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Why not teach Product Design?



- No two days are the same – and neither are the pupils
- Once qualified you can teach throughout your life
- You could teach abroad
- Progress your career into leadership and management
- Bring your outside interests into the classroom and your subject

Explore teaching

[Daniel's Story](#)

[Jem's Story](#)

[Shaniqua's Story](#)

The right skills to teach?

[Work well in a team?](#)

[Love to nurture imagination?](#)

[Love to keep learning?](#)



What makes a great teacher?

GCSE

While there are different routes you can take to be a teacher there are a few essential things that you will need:

- A minimum GCSE Grade 4 or above in English and Maths (plus Science if you want to teach primary)
- A degree or equivalent qualification

A-Level

A-Levels are 2 years of study

T level

T levels are nationally recognised, technical qualifications for 16–19-year-olds. Designed by leading employers, one T level is equivalent in size to 3 A-Levels

Vocational/Technical Qualification

These include BTEC, Applied General Qualifications (AGQ) and Vocational Technical Qualifications (VTQ) – all at Level 3

Apprenticeships

Apprenticeships are jobs which combine practical work and study. Intermediate is Level 2, Advanced is Level 3

Degree

Complete a degree course

It is possible to get QTS as part of an undergraduate degree, for example:

- Bachelor of Arts (BA) with QTS
- Bachelor of Education (BEd) with QTS
- Bachelor of Science (BSc) with QTS

Level 4/5 qualifications

Complete a L4/5 course and top up to a degree – L4/5 includes Certificate of HE, Diploma of HE, Higher Technical Qualification (HTQ), HNC, HND and Foundation degrees

Top up to a degree (Level 6) in a year of full-time study

Higher apprenticeships

Higher level apprenticeship (foundation degree / Level 5)

Degree apprenticeships

Degree apprenticeship (Level 6-7). There is a Level 6 Teaching apprenticeship programme

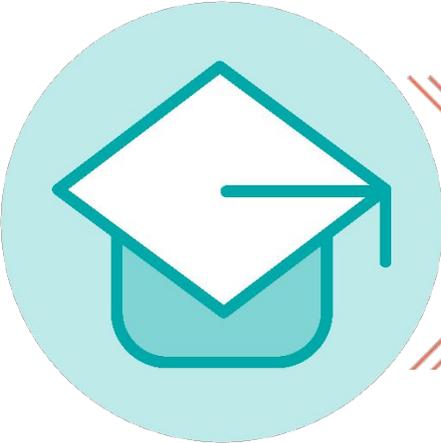
Initial Teacher Training (ITT) with qualified teacher status (QTS)

Teacher

Product Design pathways



Combine study
and work



Study



Work



Combine study and work

Apprenticeships

- Trainee Designer
- Room Designer
- Furniture Designer
- Junior CAD Designer
- Games Designer
- Design Operations
- Product Designer and Development
- Junior Product Design Engineer
- Construction Technician

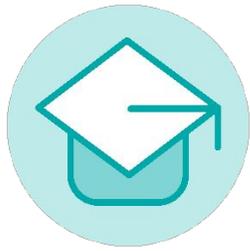
T levels

- Building Services Engineering for Construction
- Craft and Design
- Design and Development for Engineering and Manufacturing
- Design, Surveying and planning for Construction
- Digital Production, Design and Development
- Engineering Manufacturing, Processing and Control

VTQs

- Engineering
- Design and Technology
- Engineering Design
- Creative iMedia
- Digital Media
- Product Design





Study pathways

HTQs (Higher Technical Qualifications)

You will find occupation routes in:

- Engineering and Manufacturing
- Construction and the Built Environment
- Business Management

A levels

You might find courses in:

- Art and Design
- Design and Technology: Product Design
- Design and Technology: Engineering Design

Higher education

You might find courses in:

- Aircraft Design
- Airframe Design and Flight Dynamics
- Architecture
- Landscape and Garden Design
- Product Design
- Product Design and Technology
- Engineering
- Digital Environment Building
- Design and Development Engineering





Work pathways

Supported internships with an education, health and care plan

You might read about:

- [Access to Work Funding](#) (if you have a disability or health condition)
- [Preparing for Adulthood](#)

School leaver programmes

You might read about:

- [How to fill in an application form](#)
- [How to write a CV](#)
- [Interview help](#)
- [Progressing your career](#) (Careers Advice from NCS)



University league tables

See at a glance the university ranking for Architecture and Production Engineering

[Architecture Rankings \(thecompleteuniversityguide.co.uk\)](https://thecompleteuniversityguide.co.uk)

[Production Engineering](#)

Filter by:

- Overall score
- Entry standards
- Student satisfaction
- Research quality
- Research intensity
- Graduate prospects



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ENTERPRISE
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