



University
Centre
Somerset

DEGREES FOR REAL LIFE



DIGITAL INNOVATION,
ENGINEERING
AND CLEAN ENERGY

PROSPECTUS
2025/26

4,300 UK BUSINESSES OPERATE IN
THE MOTORSPORT SECTOR, SUSTAINING
NEARLY **41,000 JOBS**

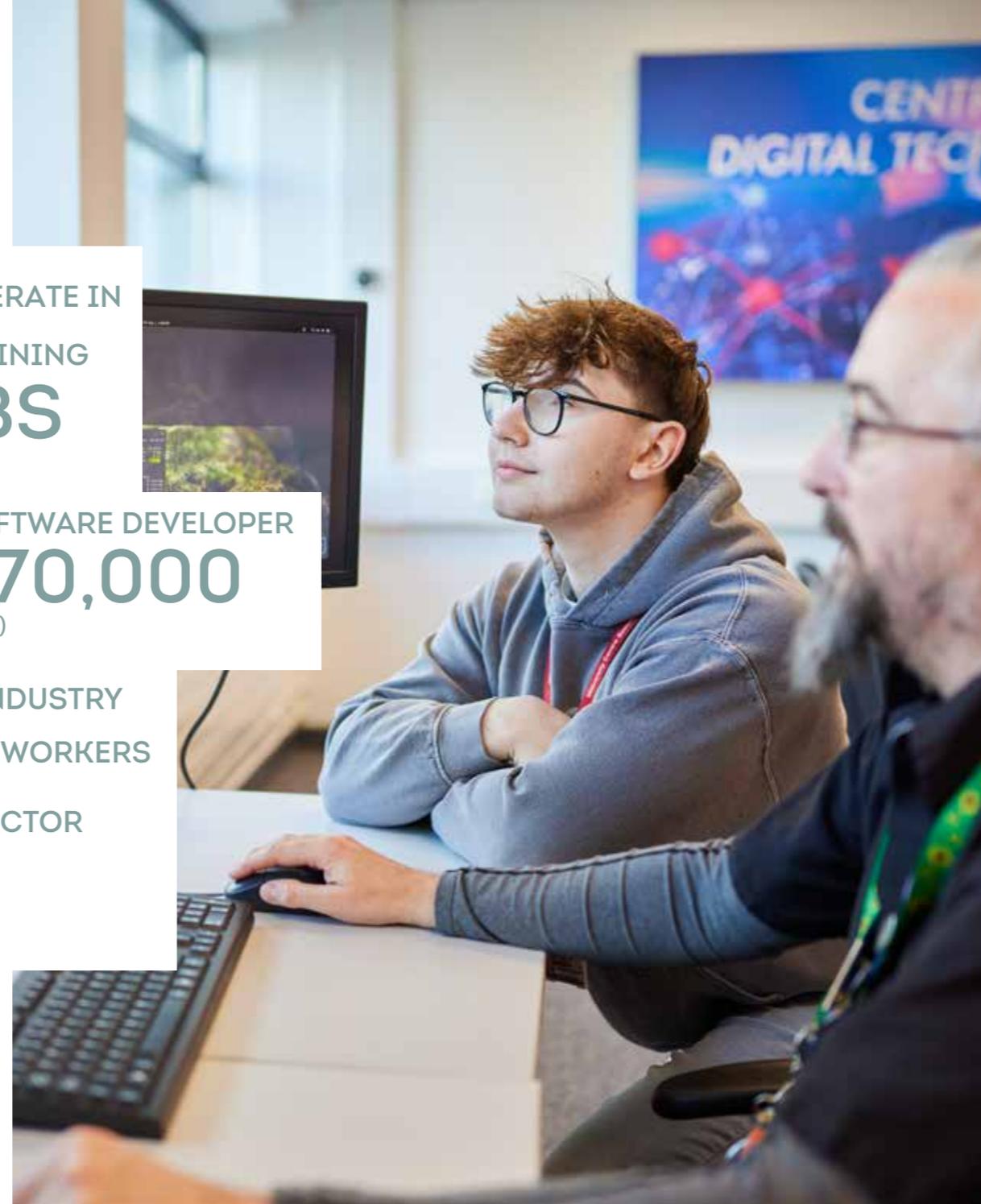
(theengineer.co.uk)

AN EXPERIENCED SOFTWARE DEVELOPER
CAN EARN UP TO **£70,000**

(nationalcareers.service.gov.uk)

THE SOUTH WEST CONSTRUCTION INDUSTRY
NEEDS TO RECRUIT **38,200** WORKERS
BY **2027** IN ORDER FOR THE SECTOR
TO KEEP UP WITH DEMAND

(citb.co.uk)



CONTENTS

- | | | | |
|----|---------------------------------------------------------------------|----|-------------------------------------------------------------------------|
| 4 | Faculty Facilities | 26 | Civil Engineering for England HNC Level 4 |
| 10 | Access to HE | 28 | Electrical & Electronic Engineering for England HNC Level 4 |
| 12 | Higher & Degree Apprenticeships | 30 | Manufacturing Engineering for England HNC Level 4 |
| 14 | Computing and Digital Technologies BSc (Hons) | 32 | Mechanical Engineering for England HNC Level 4 |
| 16 | Computing and Digital Technologies Foundation Degree | 34 | Motorsport Engineering HND |
| 18 | Computing and Digital Technologies BSc (Hons) Top-up | 36 | Mechanical Engineering with Nuclear BEng (Hons) |
| 20 | Computing and Digital Technologies Level 4 Professional Certificate | 38 | Electrical, Electronic and Control Engineering with Nuclear BEng (Hons) |
| 22 | Construction Management for England HNC Level 4 | 42 | Nuclear Engineering Higher & Degree Apprenticeships |
| 24 | Quantity Surveying for England HNC Level 4 | 44 | Where to find us |
| | | 45 | UCS course list |

Faculty of Digital Innovation, Engineering and Clean Energy

With professional staff and advanced, modern facilities, the digital, construction and engineering departments at University Centre Somerset offer a range of HNCs, HNDs and degree programmes. All courses involve a mix of practical and theoretical learning, opening a world of possibilities in your chosen career.

Significant investment in recent years across our campuses has seen these departments thrive. As our partnerships with EDF Energy, the Nuclear Decommissioning Authority and the National Skills Academy (Nuclear) demonstrate, we deliver education that is grounded in the requirements and expectations of the 21st century.

Computing and Digital Technologies

Computing and Digital Technologies is one of the fastest growing industries on the planet and applies to all types of business. Our innovative, industry-focused degree programmes mean our students are well placed when it comes to their future prospects and grasping opportunities within this exciting industry.

The teaching team have a wide range of technical specialist skills and experience of working in the digital industry. The curriculum covers an extensive range of subjects relevant to contemporary computing, from software development and web development through to network infrastructure planning and ethical hacking, including the latest technologies and hands-on experience with industry-standard processes and equipment.

At the Taunton campus you will have access to excellent computing and digital resources, including extended reality, a dedicated cyber security and networking suite and IoT development tools. Our programmes offer a practical and hands-on approach to learning that is contemporary, innovative, and more importantly, creates knowledgeable and employable graduates.

The Centre for Digital Technologies at the Taunton campus houses high-spec computers and a multi-purpose common area for study and enrichment. This allows free movement in a versatile space that encourages collaboration, discussion, research and independent work. Learning

is enriched through presentations, video conferencing and guest speakers that make use of the latest communication technology.

Advanced Engineering Centre (AEC)

The AEC at our Bridgwater campus has created a perfect environment to support the fast-paced engineering industry. Creative problem solving, a key skill for all engineers, is promoted in the design thinking rooms, while hands-on learning in the materials lab develops understanding of the key principles in composites. There are also CNC machines and additive manufacturing tools for experience of modern manufacturing methods.

Energy Skills Centre

The flagship Energy Skills Centre at our Bridgwater campus provides opportunity and inspiration in equal measure. Our industry-standard laboratories and workshops are installed with an array of equipment that makes your learning experience all the richer. This includes the very latest computer-aided design facilities, robotic engineering equipment and space for fabrication, maintenance and modification.



Through UCS, I have achieved the required level of qualification for my Lead Procurement Engineer role at EDF, where I work on developing the supply chain at Hinkley Point C.

Brett,
Electrical & Electronic Engineering HNC



Motorsport

Built in 2022, the motorsport workshop is at our Bridgwater campus. Students have the opportunity to work on our own racing car and customer cars in fully equipped workshops using the latest tooling, diagnostics and IT equipment.

Our Motorsport Race Team has a strong heritage, as previous national champions of the BRSCC OSS, Castle Combe Sport and GT series and competes nationally with our custom-Built Suzuki Hayabusa-powered RLM 260 Edition Caterham, Esme.

Construction

Our Construction provision is based in the Industry Skills Centre at our Taunton campus. Our lecturing team are experienced Construction specialists who are dedicated to

supporting your progression through your HNC journey. We have invested significantly in our IT equipment and BIM software packages including Revit, AutoCad and Trimble Business Centre all of which you will have access to on campus and remotely.

The Surveying Equipment includes the latest Trimble Total Station and a complete GNSS surveying package. You will also experience the use of Drone technology and software for surveying.

Our Materials Lab includes full testing equipment to enhance your study with practical learning whilst studying units such as Hydraulic Principles, Geology, Soil Mechanics and Science & Materials.



National College for Nuclear

The National College for Nuclear (NCfN) was established to address the skills gap in the nuclear industry. It provides training and education for nuclear-related disciplines, including engineering, radiation protection, and decommissioning. NCfN aims to develop a highly skilled workforce for the future needs of the nuclear industry, supporting the UK's energy security and decarbonisation goals.

Students learn in cutting-edge facilities, including impressive virtual reality environments, labs and a unique nuclear engineering workshop complete with a state-of-the-art flow rig. This, coupled with our strong employer partnerships, offers a fantastic environment in which to kickstart a career in the energy sector.



“On completion of my degree, I secured a position as an Electrical Engineer with EDF.”

Sophie,
Electrical, Electronic and Control Engineering
with Nuclear BEng (Hons)

Access to HE

An Access to Higher Education Diploma is designed to provide a route for learners aged 19 or over who possess few or no formal qualifications to progress to university-level study. It can lead to a wide range of career and Higher Education opportunities.

We currently offer three different routes, each with progression opportunities linked to them:

- Nursing, Midwifery and Healthcare
- Science
- Nursing (online).

In addition, the Access to HE course includes core study skills sessions to support learning and progression. These include:

- Research and Study Skills
- Digital Skills
- English
- Maths
- UCAS application support
- Tutorial.

Teaching & Assessment

The majority of modules are taught via lectures; other teaching methods include seminars, tutorials, workshops and guided learning/independent activities. The Access to HE course utilises a blended learning approach, and some sessions will be delivered online.

Where does it lead?

Successful completion of this course will provide you with a qualification that will allow you to apply to study a university-level course. In recent years, students have gone on to study a wide range of subjects including Biomedical Science at UWE Bristol, Occupation Therapy at the University of Plymouth, Social Work at the University of Bath and Nursing, right here at University Centre Somerset.

Duration: 30 weeks

Location: Taunton

Entry requirements:

Whilst there are no specific academic entry requirements, candidates will need a sound grasp of basic skills in English and maths. Given the course is an intensive and demanding one-year programme, students will require determination and resilience, and evidence of this will be asked for at interview.

You are required to be aged 19 or over and may be eligible for a loan to cover your course fees.



If you complete an Access to HE course and then go on and complete a degree or other recognised higher education course, you will not have to repay the remaining loan for the Access to HE course.

If you are looking for an Art & Design course to prepare for entry to a creative degree at university, please see the Art & Design Foundation Diploma (Pathways to HE) on our website, or on page 18 of the Business and Creative Industries prospectus.

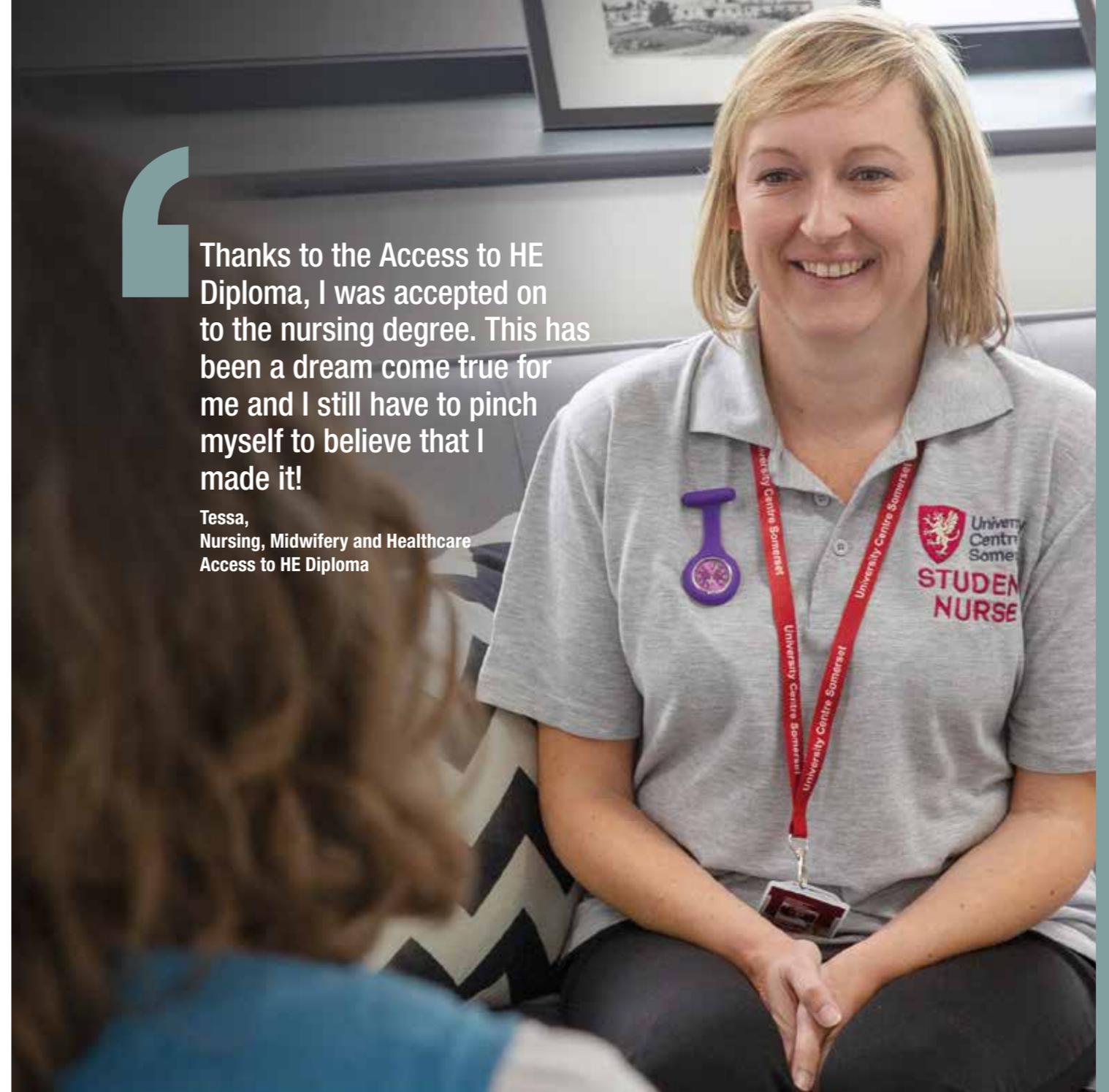


Scan this QR code for more information



Thanks to the Access to HE Diploma, I was accepted on to the nursing degree. This has been a dream come true for me and I still have to pinch myself to believe that I made it!

Tessa,
Nursing, Midwifery and Healthcare
Access to HE Diploma



Higher & Degree Apprenticeships

Our expertise and partnerships with over 1,500 local, regional and national employers enable us to provide a diverse range of Apprenticeships that help address the increasing demand for higher-level skills in Somerset and beyond.

An Apprenticeship is an effective way to study, as it enables individuals to gain a nationally recognised qualification while obtaining practical on-the-job experience.

Higher and Degree Apprenticeships have become a popular choice for individuals looking for a fast track into a career, as they provide the chance to gain applicable skills and knowledge about an industry. Higher Apprenticeships may include the achievement of academic/vocational qualifications at Level 4 and 5 such as HNCs, HNDs, and Foundation

Degrees, while Degree Apprenticeships can provide qualifications up to Level 6 or 7, such as a full BA, BSc, or BEng Honours Degree, or in some cases, even a Master's Degree.

We work closely with our network of over 1,500 employers to offer Apprenticeships in a wide range of subjects, including nursing, nuclear engineering, leadership and management, data analysis, and much more. UCS is continually updating its portfolio to support industry demand, ensuring that apprentices are gaining the most relevant and up-to-date knowledge and skills.

The length of an Apprenticeship can vary, with a Higher Apprenticeship lasting up to 5 years and a Degree Apprenticeship taking between 4 to 6 years. Apprentices are employed full-time by their respective employers,

and the combination of work and study can vary from one employer to another. Some Apprenticeships may involve day release, studying at UCS one day per week, while others may involve block release or a blended approach that combines online and face-to-face learning.

If you're interested in pursuing an apprenticeship, our dedicated team is ready to help.

Call 01278 655111 or email **apprenticeshiphelp@btc.ac.uk** for more information.

 **University Centre Somerset is part of Bridgwater & Taunton College which is the largest provider of apprenticeships in England.**

Higher & Degree Apprenticeships

Our Apprenticeship offer is continually developing and changing due to business demands and changes to the Apprenticeship structure. Therefore, this list should only be considered as a guide.

BUSINESS

Operations/Departmental Manager Level 5

CONSTRUCTION

Construction Quantity Surveying Technician Level 4

Construction Design and Build Technician Level 4

ENGINEERING AND NUCLEAR

Engineering Manufacturing Technician Level 4

Nuclear Engineer Level 6 Degree

HEALTH AND SOCIAL CARE

Lead Practitioner in Adult Care Level 4

Leader in Adult Care Level 5

Healthcare Assistant Practitioner Level 5

Leadership and Management for Adult Care Level 5

Nursing Associate Level 5

Registered Nurse Level 6 Degree

HEALTH AND FITNESS

Sports Coach Level 4

LAND-BASED

Countryside Ranger Level 4



Scan this QR code for more information

Computing and Digital Technologies

BSc (Hons)



After moving from Romania, I started a Level 1 course in Computing with BTC and have progressed through the levels to study my degree with UCS. Computing is something that I really enjoy, and I chose to do the degree as I felt it would increase my chances of getting a Software Developer job.

Cristian,
Computing and Digital Technologies (BSc Hons)

We are living in one of the most documented and interconnected periods in our history with many aspects of our daily lives now being assisted by increasingly complex digital technology.

From smartphones and smart TVs to self-driving cars and big data systems, our economy places great importance on serious computing and programming skills to shape the future of society. Develop skills in Computing and Digital Technologies and you'll be employable the world over.

Modules may include:

- Software Engineering
- Secure Software Design
- Web Application Development
- Full Stack Development
- Network Infrastructure Management
- Ethical Hacking
- Cloud Infrastructure Design and Deployment
- Cyber Incident Response
- Application of Emerging Technologies
- Principles of Data Science.

Teaching and Assessment

Our specialist teaching staff have hands-on experience of working in computing, and offer expert tuition in labs and classrooms. Assessment is through a mix of assignments, practical work, reports, presentations and live scenarios. There are no formal examinations, only coursework.



As part of the course, you will be required to undertake projects both in groups and individually using industry-standard software. You will have access to specialist resources such as the Extended Reality equipment, Cyber Security and Networking Labs, as well as the opportunity to pursue Cisco accreditations as part of our Cisco Academy.

A prominent feature of the course is the use of in-course assessment, where modules are assessed by the course teaching team as you complete them. The focus of the degree is the final year computing project, showcasing your high-level computer skills in a practical project of your choice.

This course is typically delivered on-site two days a week across the academic year.

Progression Opportunities

As a Computing and Digital Technologies graduate, you will be equipped with a range of professional and technical skills that are all highly desirable to prospective employers. Moreover, you'll have experience of working in real-world environments and on real-world projects where adaptability and the ability to handle pressure are essential.



ENTRY REQUIREMENTS

Typically entrants will possess:

- A minimum of 80 UCAS points from a full Level 3 qualification in a related area
- At least four GCSEs at grade 4 and above including English and maths (equivalent Level 2 in English may be considered).

Type:	Bachelors Degree
UCAS Code:	I160
Institution code:	B70
Attendance:	Full-time
Location:	Taunton
Awarding body:	The Open University



Computing and Digital Technologies Foundation Degree



This Foundation Degree will provide a rigorous study of the theory and principles underlying Computing and Digital Technologies; developing and challenging students to establish a high degree of expertise in the application, integration and critical evaluation of a range of Computing and Digital Technologies, principles and practices.

The programme provides opportunities for students to develop products and relationships with regional, national and international companies involved with Computing and Digital Technologies, as well as foster their own professional skills to support the South West. It also enhances employability of students by providing training with industry-standard software and access to specialist resources such as the Extended Reality equipment, Cyber Security and Networking Labs, as well as the opportunity to pursue Cisco accreditations as part of our Cisco Academy.

Modules may include:

- Software Engineering
- Web Application Development
- Full Stack Development
- Network Infrastructure Management
- Cyber Incident Response
- Application of Emerging Technologies
- Principles of Data Science.

Teaching and Assessment

Our specialist teaching staff have hands-on experience of working in computing, and offer expert tuition in labs and classrooms. Assessment is through a mix of assignments, practical work, reports, presentations and live scenarios. There are no formal examinations, only coursework. As part of the course, you will be required to undertake projects both in groups and individually.

A prominent feature is the use of in-course assessment, where modules are assessed by the teaching team as you complete them. This course is typically delivered on-site two days a week across the academic year.

Progression Opportunities

The Foundation Degree is a perfect platform for progression on to the BSc (Hons) Top-up Degree. You will be equipped with a range of computer skills that are all highly desirable to prospective employers.



ENTRY REQUIREMENTS

- Typically entrants will possess:
- A minimum of 64 UCAS points from a full Level 3 qualification in a related subject area
 - At least four GCSEs at grade 4 and above including English and maths (recognised Level 2 in English may be considered).

Type:	Foundation Degree
UCAS Code:	I159
Institution code:	B70
Attendance:	Full-time
Location:	Taunton
Awarding body:	The Open University

There may be the opportunity to study our full-time courses on a part-time basis, please contact us to discuss.



Higher Technical Qualifications (HTQs) have been specifically developed with employers and businesses so that students will get the training, knowledge, and skills they are looking for, unlocking high-skilled and highly paid jobs. The Computing and Digital Technologies Foundation Degree at UCS was one of the first Digital HTQs in the country.

The staff at UCS helped me with CV writing and interview preparation for graduate roles.

**Thomas,
Computing and Digital Technologies BSc (Hons)**



Computing and Digital Technologies

BSc (Hons) Top-up



My favourite moment at UCS has been how welcome I felt on my course when I started; I joined a little late and didn't know what to expect, however I was welcomed by both staff and students with open arms.

Thomas,
Computing and Digital Technologies
BSc (Hons)



ENTRY REQUIREMENTS

Typically entrants will possess:

- Foundation Degree or an HND or an equivalent Level 5 qualification in an appropriate discipline
- At least four GCSEs at grade 4 and above including English and maths.

Type:	Bachelors Degree
UCAS code:	I161
Attendance:	Full-time
Location:	Taunton
Awarding body:	The Open University

There may be the opportunity to study our full-time courses on a part-time basis, please contact us to discuss.

The BSc (Hons) Top-up programme provides students with the skills and knowledge to enter a range of computing professions, which have seen increased demand for employees at graduate level, and aims to equip learners with the necessary skills and academic standing to enter postgraduate study.

It also enhances employability of students by providing training with industry-standard software and access to specialist resources such as the Extended Reality equipment, Cyber Security and Networking Labs, as well as the opportunity to pursue Cisco accreditations as part of our Cisco Academy.

Modules may include:

- Software Development and Quality Assurance
- Smart Device Application Development
- Penetration Testing and Ethical Hacking
- Artificial Intelligence and Machine Learning
- Individual Project.

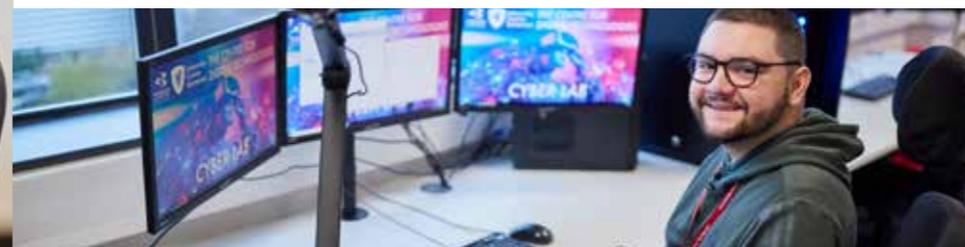
Teaching and Assessment

Our specialist teaching staff have hands-on experience of working in computing, and offer expert tuition in labs and classrooms. Assessment is through a mix of assignments, practical work, reports, presentations and live scenarios. There are no formal examinations, only coursework.

A prominent feature of the course is the use of in-course assessment, where modules are assessed by the course teaching team as you complete them. A main focus of the programme is the professional computing project, showcasing your high-level computer skills in a practical project of your choice. This course is typically delivered on-site two days a week across the academic year.

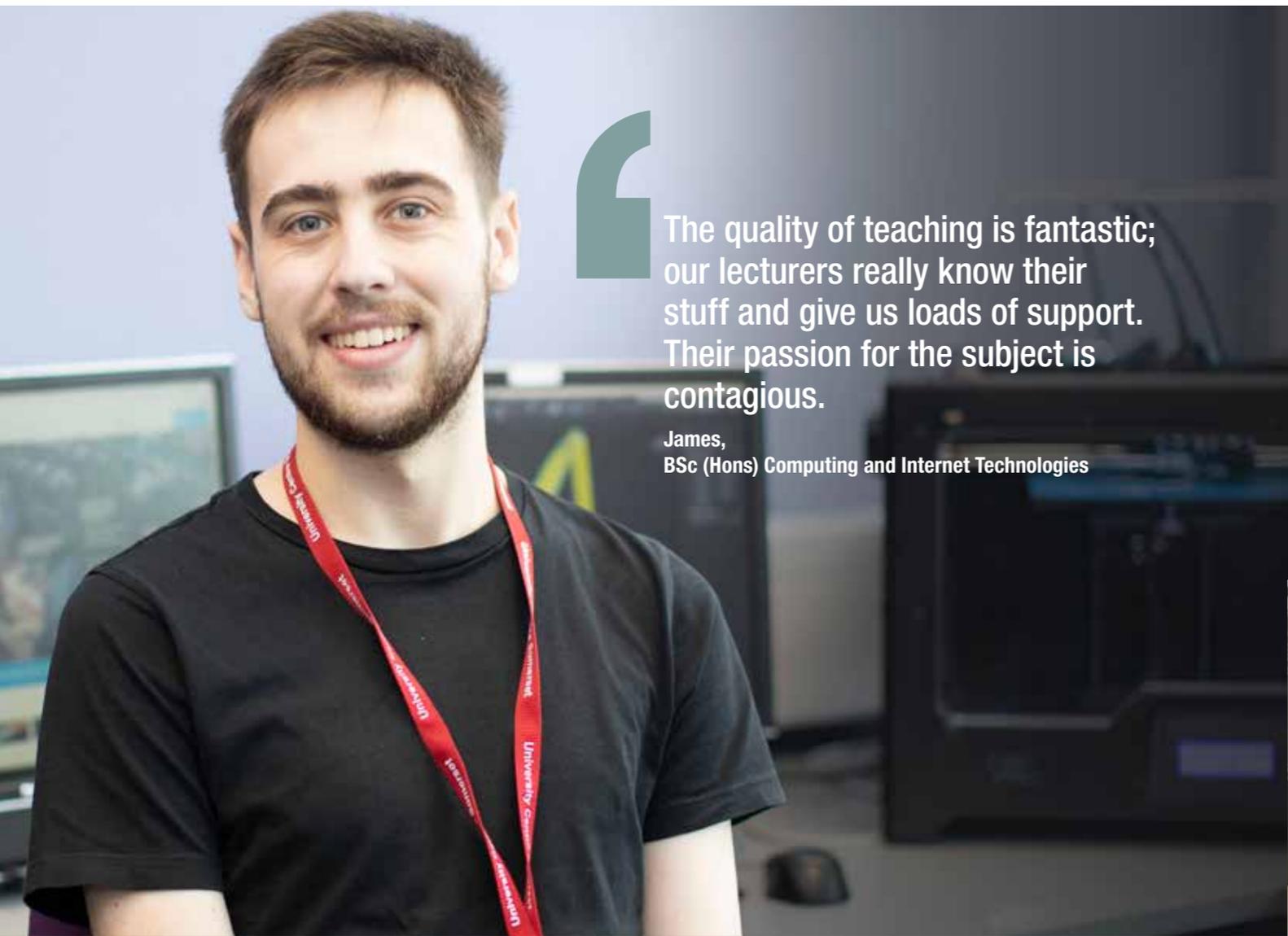
Progression Opportunities

As a BSc (Hons) Computing and Digital Technologies graduate, you will be equipped with a range of professional and technical skills that are all highly desirable to prospective employers.



Computing and Digital Technologies

Level 4 Professional Certificate



The quality of teaching is fantastic; our lecturers really know their stuff and give us loads of support. Their passion for the subject is contagious.

James,
BSc (Hons) Computing and Internet Technologies



ENTRY REQUIREMENTS

- The nature of this study requires GCSEs at grade 4 and above in English language and maths, or equivalent
- Applicants with English as their second language must have a minimum IELTS Level 6 or equivalent.

Type:	Level 4 Certificate
Attendance:	Part-time
Location:	Taunton
Awarding body:	The Open University

The Professional Certificate in Computing and Digital Technologies consists of two 20 credit modules within the BSc (Hons) Computing and Digital Technologies programme offered at the Taunton campus.

This certificate has been developed for learners who would like to study general computing related theory and practical competencies that would be primarily for their own interest and education. The programme would also enable learners who have busy lifestyles or who are engaged in industry to undertake higher learning in a manageable format. In addition, the programme can prepare learners for further higher study and/or employment.

There are two 15-week semesters over the academic year. Each module is studied across the whole year with a half day attendance.

In addition, an academic development session is offered to help progress higher level learning skills. External research work and assessments are set to be completed outside of college.

Available modules are:

- Software and Programming Fundamentals
- Web Application Development.

Teaching and Assessment

The modules are assessed via 100% coursework, which could comprise written/practical reports, case studies, portfolios or essays.

Progression Opportunities

You could progress to the Foundation Degree or BSc (Hons) qualification in Computing and Digital Technologies after successfully completing the Professional Certificate.



Construction Management for England

HNC Level 4

PEARSON

ENTRY REQUIREMENTS

- Typically entrants will possess:
- Level 3 qualification in a relevant subject
 - GCSEs at grade 4 and above, including English and maths.

Other appropriate qualifications may be taken into consideration, or relevant work experience.

Type: **HNC Level 4**

Attendance: **Part-time**

Location: **Taunton**

Awarding body: **Pearson**

This course equips you with a nationally recognised professional qualification that enhances your workplace skills and helps prepare you to advance your career in the construction industry. The course can be studied part-time or as part of an Apprenticeship. The Higher Nationals and Higher Technical Qualifications (HTQs) consist of eight units, covering key knowledge and practical skills for the sector.

Units may include:

- Construction Design Project
- The Construction Environment
- Construction Technology
- Legal and Statutory Requirements in Construction
- Digital Applications for Construction Information.

Teaching and Assessment

Assessment is a mix of assignments, presentations and project work for each of the eight units.

Progression Opportunities

There are a huge range of career choices within the construction professions, such as site manager, quantity surveyor, or civil engineering technician, so successful completion of the HNC really does open doors. In addition, you could go on to study at HND or degree level.

After completing the Level 3 Apprenticeship I wanted to widen my knowledge and gain a higher qualification.

I have learnt a lot about different areas in construction, which is interesting as my workplace is quite specific to a small aspect of the industry.

Jed,
Construction and the Built Environment
Apprenticeship Level 4



Higher Technical Qualifications (HTQs) have been specifically developed with employers and businesses so that students will get the training, knowledge, and skills they are looking for, unlocking high-skilled and highly paid jobs.



Quantity Surveying for England

HNC Level 4

PEARSON

ENTRY REQUIREMENTS

- Typically entrants will possess:
- Level 3 qualification in a relevant subject
 - GCSEs at grade 4 and above, including English and maths.

Other appropriate qualifications may be taken into consideration, or relevant work experience.

Type:	HNC Level 4
Attendance:	Part-time
Location:	Taunton
Awarding body:	Pearson

This course equips you with a nationally recognised professional qualification that enhances your workplace skills and helps prepare you to advance your career in the construction industry. The course can be studied part-time or as part of an Apprenticeship. The Higher Nationals and Higher Technical Qualifications (HTQs) consist of eight units, covering key knowledge and practical skills for the sector.

Units may include:

- Tender & Procurement
- Building Information Modelling
- Measurement and Estimating
- Construction Economics & Sustainability
- Quantity Surveying Practice.

Teaching and Assessment

Assessment is a mix of assignments, presentations and project work for each of the eight units.

Progression Opportunities

There are a huge range of career choices within the construction professions, such as site manager, quantity surveyor, or civil engineering technician, so successful completion of the HNC really does open doors. In addition, you could go on to study at HND or degree level.



I like studying at UCS as it fits around my work schedule. The lecturers are from the industry and can answer any questions I might have.

Patrick,
Construction and the Built Environment Apprenticeship Level 4



Higher Technical Qualifications (HTQs) have been specifically developed with employers and businesses so that students will get the training, knowledge, and skills they are looking for, unlocking high-skilled and highly paid jobs.



Civil Engineering for England

HNC Level 4



I work as an Apprentice Architectural Technician. As part of my apprenticeship, I attend UCS on a day release basis to obtain the knowledge and skills needed to assist me in my job.

My lecturer is very informative in his teaching, he is able to apply first-hand industry knowledge and experience to all of our units.

Oscar,
Construction Design and Build Technician
Apprenticeship Level 4

Would you like to work towards a nationally recognised qualification that builds on the skills you have already developed in the workplace, to enhance your employability? If so, our Higher National Certificate in Civil Engineering could be the perfect course.

This professional qualification provides the perfect foundation for a career in civil engineering. It is also a great basis from which to pursue degree level study and blend theoretical and practical aspects of the discipline.

During your course you will cover a range of topics that may include:

- Construction Practice and Management
- Construction Information (Drawing, Detailing and Specification)
- Mathematics for Construction
- Principles of Structural Design
- Surveying, Measurement and Setting out.

Teaching and Assessment

Assessment is by a mix of assignments, project work and some exams. Each module is assessed by means of a series of internally set assignments that involve a combination of scenario-based tasks linked to project work, practical exercises, timed tasks, individual study and presentations.

Progression Opportunities

Successful completion of the HNC in Construction and the Built Environment (Civil Engineering) enables you to apply for membership of the Institute of Civil Engineers. With this behind you, the world of work presents a variety of possibilities.

You could go on to study a HND in Construction and the Built Environment. Alternatively, graduates may apply to study the discipline at degree level.

Career Progression

Our students have gone on to pursue careers such as Civil Engineer, Project Manager, Highway Engineer, Site Manager, Utilities Engineer and Structural Engineer.

PEARSON

ENTRY REQUIREMENTS

Typically entrants will possess:

- Level 3 qualification in a relevant subject
- GCSEs at grade 4 and above, including English and maths.

Other appropriate qualifications may be taken into consideration, or relevant work experience.

Type:	HNC Level 4
Attendance:	Part-time
Location:	Taunton
Awarding body:	Pearson



Electrical & Electronic Engineering for England

HNC Level 4

PEARSON

ENTRY REQUIREMENTS

Typically entrants will possess:

- Level 3 qualification in a relevant subject
- GCSEs at grade 4 and above, including maths.

Mature applicants with relevant experience who do not have the stated entry requirements are encouraged to apply.

Type: **HNC Level 4**

Attendance: **Part-time**

Location: **Bridgwater**

Awarding body: **Pearson**

This course is normally studied part-time (one day) over two years, but there is the option to study full-time (two days) over one year. It is designed for those looking to develop a career in electrical and electronic engineering, with the emphasis on applying electrical, electronic and control principles to practical situations such as PLC and robot work cells. You will be studying in state-of-the-art engineering facilities, with industry-standard equipment such as robotic, PLC and process control technology.

You will be taught by staff with strong industry experience and links to key employers. In addition, fellow students will come from a broad range of employers. This course can also form the academic part of a Higher Apprenticeship.

The modules studied may include:

- Engineering Design
- Engineering Maths
- Managing a Professional Engineering Project
- Electrical and Electronic Principles
- Automation Robotics & PLCs.

Teaching and Assessment

Continuous assessment of your performance will be carried out

by means of assignments and may include laboratory work, investigations, projects, practical exercises and integrative assignments that link various subject areas.

Progression Opportunities

You could choose to progress on to an HND course or study a degree course at a university of your choice. Alternatively, you could progress to employment. Graduates find roles within industries such as electronic, electrical, instrumentation, project and technical sales engineer manufacturing, automotive, aerospace, energy and water.

I studied Level 3 Electrical and Electronic Engineering at BTC so I felt comfortable returning for the HNC as I already knew the teaching staff and facilities.

On completion of the HNC, I would like to go on to a Degree Apprenticeship.

Tamsin,
Electrical and Electronic Engineering HNC Level 4

The HNC formed a key part of my apprenticeship. I now work as a Safety Engineer at Defence Equipment & Support (DE&S), part of the Ministry of Defence.

Harry,
Electrical & Electronic Engineering HNC



Higher Technical Qualifications (HTQs) have been specifically developed with employers and businesses so that students will get the training, knowledge, and skills they are looking for, unlocking high-skilled and highly paid jobs.



Manufacturing Engineering for England

HNC Level 4

PEARSON

ENTRY REQUIREMENTS

- Typically entrants will possess:
- Level 3 qualification in a relevant subject
 - GCSEs at grade 4 and above, including maths.

Mature applicants with relevant experience who do not have the stated entry requirements are encouraged to apply.

Type: **HNC Level 4**

Attendance: **Part-time**

Location: **Bridgwater**

Awarding body: **Pearson**

This course is normally studied part-time (one day) over two years, but there is the option to study full-time (two days) over one year. It is designed for those looking to develop a career in manufacturing engineering, with the emphasis on applying engineering principles to practical situations such as CAD/CAM and production lines. You will study in state-of-the-art engineering facilities, with industry-standard equipment. The units studied offer a broad understanding of key principles in production and manufacturing.

The course is designed to provide the knowledge and understanding of how advanced and innovative engineering underpins the manufacturing industry. This course can also form the academic part of a Higher Apprenticeship.

Modules may include:

- Engineering Design
- Engineering Maths
- Managing a Professional Engineering Project
- Production Engineering for Manufacture
- Quality and Process Improvement
- Industrial Robots
- Computer Aided Design and Manufacture (CAD/CAM).

Teaching and Assessment

Continuous assessment of your performance will be carried out by means of assignments and may include laboratory work, investigations, projects, practical exercises and integrative assignments that link various subject areas.

Progression Opportunities

You could choose to progress on to an HND course or study a degree course at a university of your choice. Alternatively, you could progress to employment. Graduates find roles within industries such as production, quality and maintenance engineer manufacturing, automotive, aerospace, energy and water.

Since graduating, I have been working as an Advanced Manufacturing Engineer at Honeywell.

Toby,
Manufacturing Engineering HNC



Higher Technical Qualifications (HTQs) have been specifically developed with employers and businesses so that students will get the training, knowledge, and skills they are looking for, unlocking high-skilled and highly paid jobs.



Mechanical Engineering for England

HNC Level 4



This course is normally studied part-time (one day) over two years, but there is the option to study full-time (two days) over one year. It is designed for those looking to develop a career in mechanical engineering, with the emphasis on applying mechanical theory to practical situations. You will study in state-of-the-art engineering facilities, with industry-standard equipment.

Mechanical engineers research, develop and manage projects devising innovative solutions in design and manufacture. The course is designed to provide the knowledge and understanding of how advanced and innovative engineering underpins the mechanical design, advanced manufacturing and technical service areas of the industry. This course can also form the academic part of a Higher Apprenticeship.



- Modules may include:
- Engineering Design
 - Engineering Maths
 - Managing a Professional Engineering Project
 - Mechanical Principles
 - Fundamentals of Thermodynamics and Heat Engines
 - Fluid Mechanics.

Teaching and Assessment

Continuous assessment of your performance will be carried out by means of assignments and may include laboratory work, investigations, projects, practical exercises and integrative assignments that link various subject areas.

Progression Opportunities

You could choose to progress on to an HND course or a degree course at a university of your choice. Alternatively, you could progress to employment.

Graduates find roles within industries such as mechanical, design, quality control and technical support engineer manufacturing, automotive, aerospace, energy and water.



PEARSON

ENTRY REQUIREMENTS

- Typically entrants will possess:
- Level 3 qualification in a relevant subject
 - GCSEs at grade 4 and above, including maths.

Mature applicants with relevant experience who do not have the stated entry requirements are encouraged to apply.

Type:	HNC Level 4
Attendance:	Part-time
Location:	Bridgwater
Awarding body:	Pearson



Higher Technical Qualifications (HTQs) have been specifically developed with employers and businesses so that students will get the training, knowledge, and skills they are looking for, unlocking high-skilled and highly paid jobs.



Motorsport Engineering

HND subject to validation

PEARSON

ENTRY REQUIREMENTS

Typically entrants will possess:

- A full Level 3 qualification in Engineering or Motorsport, or A Levels in relevant subjects
- GCSEs including English at grade 4 or above and maths at grade 5 or above.

Additional costs

These costs are estimates based on recent years:

- £50 for trips and visits
- £50 to £60 for personal protective equipment
- £50 to £100 for materials needed for your project
- £50 for electronics equipment.

Type: HND Level 5

Institution code: B70

UCAS code: to be confirmed

Attendance: Full-time

Location: Bridgwater

There may be the opportunity to study our full-time courses on a part-time basis, please contact us to discuss.

Embark on an exhilarating journey into motorsport engineering with our comprehensive Higher National Diploma (HND) programme.

Designed to fuel your passion for high-speed innovation, our curriculum merges cutting-edge theory with hands-on experience, preparing you for the fast-paced world of motorsport engineering. In addition to studying the qualification, there will be a number of trips, visits and guest lectures, and you will have the opportunity to get involved with our race team.

All learners will be expected to carry out a 30-hour work placement with an industry-relevant provider.

Modules may include:

- Engineering Maths and Science
- Product Design and Project Management
- Data Analysis and Acquisition Systems
- Competition Vehicle Setup
- Performance Vehicle Engineering
- Computer Aided Design and Manufacture
- Material Technology
- Motorsport Electronics.

Teaching and Assessment

Depending on the module, lectures could take place in the classroom, workshop or lab. Assessment is primarily via coursework. The coursework may include practical workshop activities, lab work, project work, presentation or report writing.

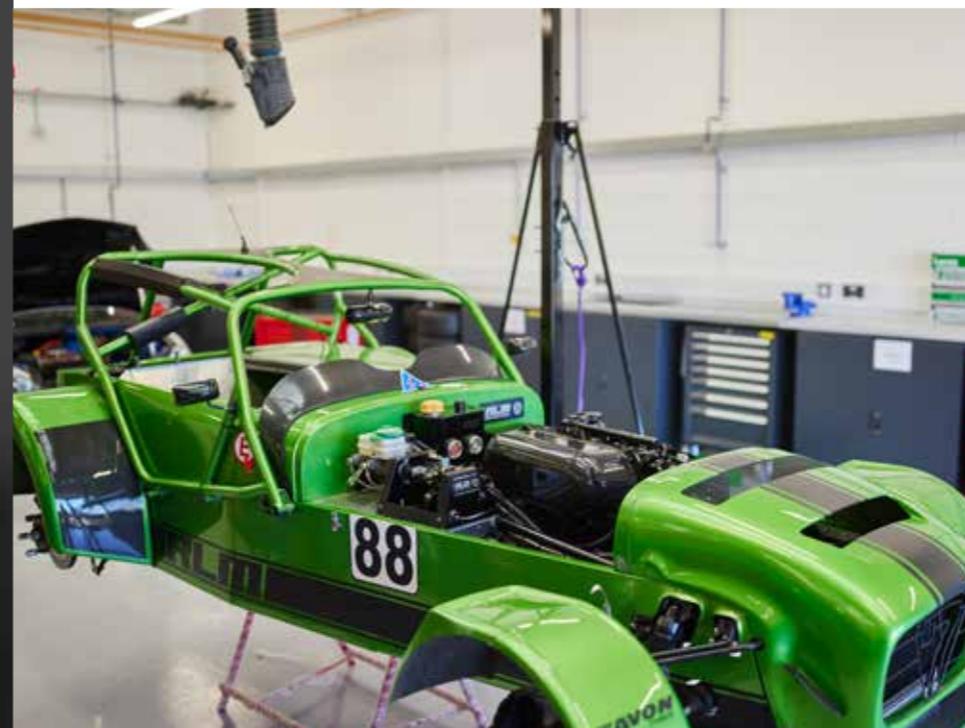
Progression Opportunities

The usual progression from this programme is on to a BEng Top-up year in Motorsport Engineering, or to direct employment within the industry.

I stayed in student accommodation as I'm from Cornwall, it was a great experience and I enjoyed living away from home.

Since graduating, I have been working as a trackside support engineer at race events, most recently in Portugal.

Roland,
Motorsport Engineering Foundation Degree



Mechanical Engineering with Nuclear

BEng (Hons)



The course content aligned perfectly to the knowledge and skills I needed to become an engineer in the nuclear industry.

The NCfN campus has excellent facilities where students can use the theory that they learn to solve practical problems.

Thomas,
Engineering with Nuclear BEng (Hons)

The multi award-winning National College for Nuclear has state-of-the-art facilities including a reactor simulator and virtual reality training environment designed to provide students with high-tech, specialist training to support the nuclear industry.

Working with our industry partners such as EDF Energy, AWE, Cavendish Nuclear and Magnox ensures the training and education provides a world-class experience that develops the skills needed in this high profile, technical and demanding sector. These partnerships allow you to gain

technical knowledge and practical experience, along with behavioural and personal skills, required for your future career. These are acquired through a mix of learning in the workplace, learning through the National College for Nuclear and the opportunity to practise and embed new skills in a real-world context.

Modules are taught in seminar-style classroom and workshop settings, in a mix of face-to-face and online study. Plus, specialist Guest Speakers from the industry enhance your knowledge and understanding of the sector. Mathematics is embedded throughout, rather than taught as a separate module.

Modules may include:

- Nuclear Science, Materials, and Design
- Solid Mechanics
- Thermofluidic Dynamics
- Electromechanical Systems Engineering
- Heat Transfer and Power
- Electromechanical Systems and Design
- Electromechanical Systems Analysis
- Advanced Nuclear Science and Project Management
- Stress, Materials and FEA
- Thermofluid Systems and CFD
- Industrial Nuclear Science and Technology
- Nuclear Project Dissertation.

Teaching and Assessment

This course is delivered on a modular block basis, completing 4 modules per year (if full-time) of 5 weeks each, following a typical academic year. There may be opportunities for residential trips during the course, which will require separate payment of fees. You are assessed on your knowledge and skills on an ongoing basis and will have to demonstrate that you can meet the required standards throughout your degree. There will be a mixture of coursework, projects, vivas and exams.

Progression Opportunities

This degree programme is designed to maximise employment opportunities within the nuclear (or broader engineering) sector. It may also be used for progression on to a Masters course.



ENTRY REQUIREMENTS

Typically entrants will possess:

- A minimum of 102 UCAS points from a full Level 3 qualification in a relevant subject area, such as maths, science or engineering
- Grade C or equivalent in maths at Level 3 (A Level, BTEC or equivalent)
- At least five GCSEs at grade 5 or above, including maths and English.

Type:	Bachelors Degree
UCAS code:	H821
Institution code:	B70
Attendance:	Full-time
Location:	National College for Nuclear, Southern Hub, Cannington
Awarding body:	UWE Bristol



Electrical, Electronic and Control Engineering with Nuclear

BEng (Hons)



The multi award-winning National College for Nuclear has state-of-the-art facilities including a reactor simulator and virtual reality training environment designed to provide students with high-tech, specialist training to support the nuclear industry.

Working with our industry partners such as EDF Energy, AWE, Cavendish Nuclear and Magnox ensures the training and education provides a world-class experience that develops the skills needed in this high profile, technical and demanding sector. These partnerships allow you to gain technical knowledge and real practical experience, along with behavioural and personal skills, required for your future career. These are acquired through a mix of learning in the workplace, learning through the National College for Nuclear and the opportunity to practise and embed new skills in a real-world context.

Modules are taught in seminar-style classroom and workshop settings, in a mix of face-to-face and online study. Plus, specialist Guest Speakers from the industry enhance your knowledge and understanding of the sector. Mathematics is embedded throughout, rather than taught as a separate module.

- Nuclear Science, Materials, and Design
- Solid Mechanics
- Thermofluidic Dynamics
- Electromechanical Systems Engineering
- Electrical Supply and Machines
- Heat Transfer and Power
- Electromechanical Systems and Design
- Electromechanical Systems Analysis
- Advanced Nuclear Science and Project Management
- Electronic Systems
- Electronic Control Systems Design
- Stress, Materials and FEA
- Thermofluid Systems and CFD
- Industrial Nuclear Science and Technology
- Nuclear Project Dissertation.

ENTRY REQUIREMENTS

- Typically entrants will possess:
- A minimum of 102 UCAS points from a full Level 3 qualification in a relevant subject area, such as maths, science or engineering
 - Grade C or equivalent in maths at Level 3 (A Level, BTEC or equivalent)
 - At least five GCSEs at grade 5 or above, including maths and English.

Type:	Bachelors Degree
UCAS code:	H823
Institution code:	B70
Attendance:	Full-time
Location:	National College for Nuclear, Southern Hub, Cannington
Awarding body:	UWE Bristol

Since completing my degree, I have been employed by EDF as a Mechanical & Electrical Engineer at Hinkley Point C (HPC).

I liked the fact that the course was carried out in block release format, so I could entirely focus on degree learning and assessment for several consecutive weeks, then go back to fully focusing on my work placements.

Genevieve,
Mechanical Engineering with Nuclear
BEng (Hons)





My favourite aspect of studying at NCfN is the enthusiasm for nuclear and wealth of knowledge that the teaching staff have, this creates a great atmosphere for learning.

Joe,
Mechanical Engineering with
Nuclear BEng (Hons)

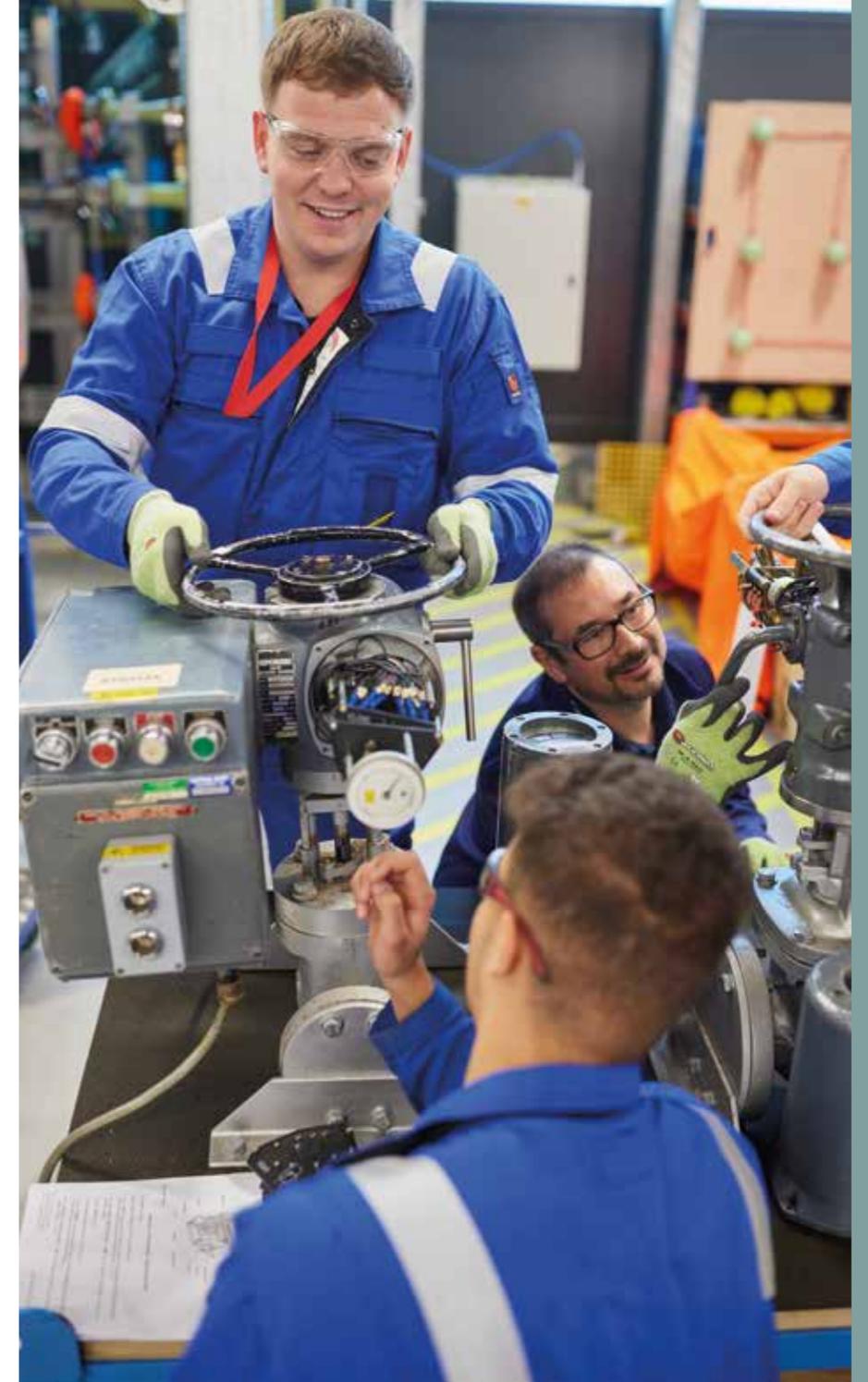


Teaching and Assessment

This course is delivered on a modular block basis, completing 4 modules per year (if full-time) of 5 weeks each, following a typical academic year. There may be opportunities for residential trips during the course, which will require separate payment of fees. You are assessed on your knowledge and skills on an ongoing basis and will have to demonstrate that you can meet the required standards throughout your degree. There will be a mixture of coursework, projects, vivas and exams.

Progression Opportunities

This degree programme is designed to maximise employment opportunities within the nuclear (or broader engineering) sector. It may also be used for progression on to a Masters course.



Nuclear Engineering

Higher & Degree Apprenticeships



Higher and Degree Apprenticeships enable you to study for a degree while gaining hands-on experience, making you highly employable and providing you with a competitive advantage in the job market.

Nuclear Engineering remains one of the UK's most important industries, offering a diverse range of challenging apprenticeship opportunities within the Nuclear and Energy sectors including power generation, decommissioning, nuclear new build, defence and renewable energy.

Teaching and Assessment

You are assessed on your knowledge and skills on an ongoing basis and will have to demonstrate that you can meet the required standards throughout your training. There will be a mixture of coursework, projects, vivas, exams end-point assessment.

Progression Opportunities

The Higher or Degree Apprenticeship will provide you with excellent career progression opportunities. Fully qualified engineers are in high demand, both at home and abroad. Graduates could progress on to suitable Masters programmes and further industry specific professional training programmes.

Apprenticeships delivered in the National College for Nuclear (NCfN) have been developed with industry partners, educational partners and government to deliver tomorrow's nuclear workforce. NCfN has state-of-the-art facilities including a reactor simulator and virtual reality training environment, providing a high-tech, specialist training to support the nuclear industry.

ENTRY REQUIREMENTS

Typically entrants will possess:

- A minimum of 102 UCAS points
- A National Certificate/Diploma in a numerate or engineering discipline with a merit profile, to include maths, or equivalent qualifications
- or A Levels in relevant subjects.

For mature applicants we will accept a wide range of non-standard and professional qualifications and experience, but if candidates are unsure as to whether they qualify, we encourage them to contact us.

In order to undertake this course, you are required to have a relevant employer.

Duration	Up to 5 years, dependent on level and employer
Location:	National College for Nuclear, Southern Hub, Cannington



Where to find us

One of the benefits of University Centre Somerset is our accessibility. So however you're travelling, you will find us easy to get to.

Rail

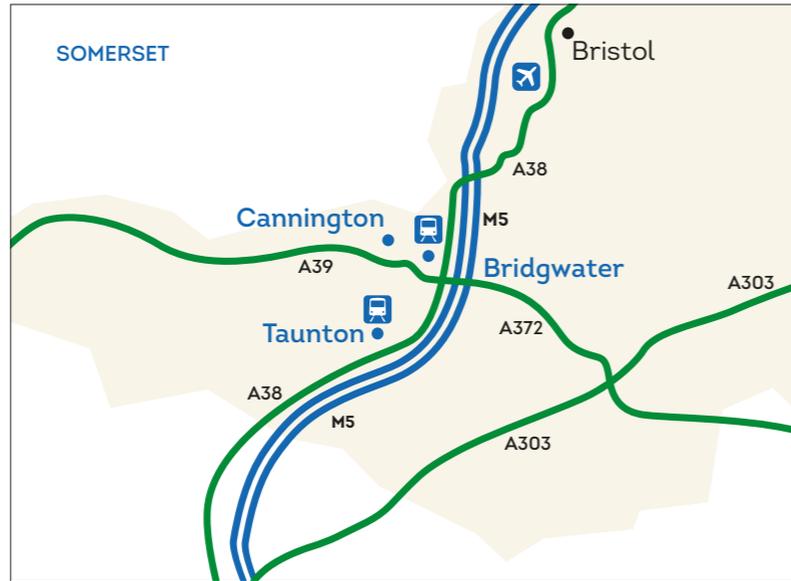
Our Taunton and Bridgwater campuses are easily accessible by train. Both towns are on the main line from Bristol to Exeter, and our campuses are within an easy walk or taxi ride of the station.

Bus

We have bus stops on each of our campuses, served by local bus routes. A regular connection runs between the Bridgwater and Cannington campuses.

Car

All three campuses are easily accessible from the M5 motorway. Each campus offers limited parking, including designated areas for disabled parking, mopeds and bicycles. You will be charged **£1 per day to park at our Taunton campus**, while parking is free at the Bridgwater and Cannington campuses.



Taunton campus

Wellington Road
Taunton
Somerset
TA1 5AX

01278 441234
info@somerset.ac.uk



Bridgwater campus

Bath Road
Bridgwater
Somerset
TA6 4PZ

Cannington campus

Rodway
Cannington
Somerset
TA5 2LS

UCS course list

AGRICULTURE, ENVIRONMENTAL MANAGEMENT AND ECOLOGY

Agricultural Management
Foundation Degree

Agricultural Management
BSc (Hons) Top-up

Animal Management, Ecology and Conservation
BSc (Hons)

Animal Management, Ecology and Conservation
Foundation Degree

Animal Management, Ecology and Conservation
BSc (Hons) Top-up

Animal Management
Level 4 Professional Certificate

Apprenticeships

Countryside Ranger
Level 4

DIGITAL INNOVATION, ENGINEERING AND CLEAN ENERGY

Computing and Digital Technologies
BSc (Hons)

Computing and Digital Technologies
Foundation Degree

Computing and Digital Technologies
BSc (Hons) Top-up

Computing and Digital Technologies
Level 4 Professional Certificate

Construction Management for England
HNC Level4

Quantity Surveying for England
HNC Level 4

Civil Engineering for England
HNC Level 4

Electrical & Electronic Engineering for England
HNC Level 4

Manufacturing Engineering for England
HNC Level 4

Mechanical Engineering for England

HNC Level 4

Motorsport Engineering
HND

Mechanical Engineering with Nuclear
BEng (Hons)

Electrical, Electronic and Control Engineering with Nuclear
BEng (Hons)

Apprenticeships

Construction Design and Build Technician
Level 4

Construction Quantity Surveying Technician
Level

Construction Site Engineering Technician
Level 4

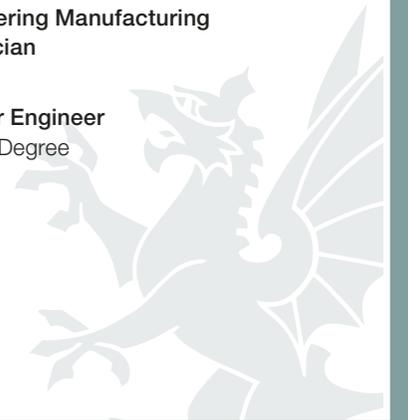
Construction Site Supervisor
Level 4

Engineering Manufacturing Technician
Level 4

Nuclear Engineer
Level 6 Degree



This course list is correct at time of print (March 2024). For information about all of our courses scan the QR code to visit our website, where you can also request prospectuses for each subject area.



HEALTH, WELLBEING AND EDUCATION

Early Childhood Education and Care
BA (Hons)

Early Childhood Education and Care
Foundation Degree

Early Childhood Education and Care
BA (Hons) Top-up

Nursing (Adult)
BSc (Hons)

Nursing (Mental Health)
BSc (Hons)

Nursing Associate
Foundation Degree

Assistant Practitioner (Health and Social Care)
Foundation Degree

Assistant Practitioner (Mental Health)
Foundation Degree

Adult Care
Level 4 Diploma

Leadership & Management for Adult Care
Level 5 Diploma

Counselling Practice
Level 4 Diploma

Psychotherapeutic Counselling
Level 5 Diploma

Sport & Exercise Science (Coaching Science)
HND Level 5

Public Services and Criminology
Foundation Degree

Certificate in Education
Level 5 Certificate

PGCE
Level 6 / 7 Diploma

Apprenticeships

Registered Nurse
Level 6

Nursing Associate
Level 5

Lead Practitioner in Adult Care
Level 5

Leader in Adult Care
Level 4

Healthcare Assistant Practitioner
Level 5

Leadership and Management for Adult Care
Level 5

Sports Coach
Level 4

BUSINESS AND CREATIVE INDUSTRIES

Business Management
HNC/HND

Management and Leadership
Level 5 Award / Certificate / Diploma

Operations/Departmental Manager
Level 5

Art & Design
Foundation Diploma

Creative Digital and Graphic Design
BA (Hons)

Creative Digital and Graphic Design
Foundation Degree

Creative Digital and Graphic Design
BA (Hons) Top up

Creative Practitioner
Foundation Degree

Creative Practitioner
BA (Hons)

Makeup Artistry, Prosthetic FX and Wig Making
BA (Hons)

Makeup Artistry, Prosthetic FX and Wig Making
Foundation Degree

Media Makeup
BA (Hons) Top-up

Music Production
HND

Access to HE Nursing, Midwifery and Healthcare

Science

Nursing (online)

This course list is correct at time of print (March 2024). For information about all of our courses scan the QR code to visit our website, where you can also request prospectuses for each subject area.



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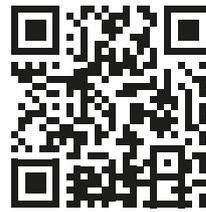
University
Centre
Somerset

DEGREES FOR REAL LIFE

Come and see for yourself

Open Events

Come and visit and see what makes University Centre Somerset the perfect place to start your journey.



Scan this QR
code for more
information
about our events



Every effort has been made to ensure that the information in this prospectus is fair and accurate at the time of print (February 2024). Bridgwater & Taunton College reserves the right to amend information at any time.

Wellington Road, Taunton, Somerset TA1 5AX

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