

Immediate wins

Nobody understands your organisation like you do. We will work with you to create an apprenticeship that will build the knowledge, skills and behaviours that will have the maximum positive impact on your business.

“ISAAC ASIMOV NOTED THAT “SCIENCE CAN AMUSE AND FASCINATE US ALL, BUT IT IS ENGINEERING THAT CHANGES THE WORLD.” THIS COURSE WILL ALLOW YOU TO PUT SCIENTIFIC AND ENGINEERING PRINCIPLES INTO PRACTICE, SO THAT YOU CAN DEVELOP REAL SKILLS FOR REAL EMPLOYABILITY.”

Benefits to your business:

- Research has shown that apprentices increase innovation, drive quality and increase your competitiveness.
- Tailored around you - Higher and Degree Apprentices develop job-specific skills and are able to meet the unique needs of the business where they work and learn.
- Develop the best people – employment leading to higher level qualifications will attract and retain high-calibre candidates with the potential to progress.

BUILT AROUND YOU

Our Embedded Electronic Engineering Degree Apprenticeship is a work- based qualification, tailored to meet the specific needs of your business. Become more innovative, drive quality and increase your competitiveness.

DEVELOP THE BEST PEOPLE

Attract a highly talented workforce and nurture and retain the talent you already have. Get the best out of your best.

A SYMBOL OF QUALITY

Our high calibre staff are industry professionals with a wealth of experience, covering a full range of sectors and specialisms. Which is a mark of quality. Apprentices completing our Embedded Electronics Engineering Degree Apprenticeship will obtain both a bachelor's degree with honours and be eligible to join British Computer Society (BCS) meaning they will be accredited both academically and professionally. Show your organisation's commitment to quality by adding our Embedded Electronic Engineering Degree Apprenticeship to your training and development offer.

WIN
WIN

EMBEDDED ELECTRONIC SYSTEMS DESIGN AND DEVELOPMENT ENGINEER DEGREE APPRENTICESHIP

DESIGNING AND DEVELOPING ELECTRONIC CIRCUITS, DEVICES AND SYSTEMS FOR A RANGE OF INDUSTRIES.

OUR HIGHER AND DEGREE APPRENTICESHIPS
**THEY'RE A
WIN
WIN**

FOR MORE INFORMATION:

Call us on 01242 715 400

Email apprenticeships@glos.ac.uk

Or visit glos.ac.uk



Delivery and Course Outline

Developed in conjunction with leading electrical engineering and manufacturing companies, this course is designed to meet industry requirements for modern engineering practice. Learn while you earn building on your previous experience or engineering qualification and applying new learning into the workplace.

Year 1	Year 2	Year 3
3D Computer and Prototype Modelling	Mobile Applications Development	Individual Research Project
Introduction to Programming Fundamentals	Artificial Intelligence	Advanced Topics in Technology and Innovation
Fundamentals of Technology and Electronics	Design Research 2	Systems Engineering
Design Research 1	Smart Sensors and Applications	Applied Artificial Intelligence
Introduction to IoT Concepts and Technology	Mathematical Modelling	Sensors and Data Acquisition
	Designing Connected IoT Products	Work Base Project

End Point Assessment (EPA)

Carried out by the University, the End point Assessment Organisation and the employer organisation. Degree apprentices will be required to present a learning portfolio and summary project, demonstrating growth in knowledge and professional development.

Undertaken as soon as possible after completion of Year 3

Third Year Consultancy Project and End Point Assessment (EPA)

The Third Year project will have a consultancy focus, where learners will be required to build strategies to address genuine challenges facing your business, as well as maximise commercial opportunities.

Recognised qualifications

Learners will achieve a BSc with Hons in Embedded Electronic Engineering - awarded upon completion of the first 'gateway' - and then they will be eligible to join the British Computer Society (BCS) upon completion of the second 'gateway'. As such, this apprenticeship is underpinned by high-quality, recognised qualifications.

Student and employer support

All apprentices will have a personal tutor who will remain a source of advice and guidance for them throughout the apprenticeship. They will also be supported by module tutors and our Student Helpzone.

As their employer, you will be able to access our dedicated apprenticeship support team, meaning that you are able to get the best out of both the degree apprentice and the apprenticeship. A win, win.

Entry requirements

Most candidates will need to have 112 UCAS points or equivalent and English and Maths qualification at Level 4/Grade C GCSE. However, individual employers will set the selection criteria for their degree apprentices.

Funding sources

There is good news for all sizes of employers; larger employers will already have a pot of funding through the Apprenticeship Levy introduced in April 2017, which if not used within 24 months will be lost to the employer; for SMEs and employers with a payroll under £3m there is funding support available. See below for more.

Fewer than 50 employees where the apprentice is 16-18 years old:

No cost to employer – government funded. Incentive payment of £1,000 for taking on an under 19 year old

Non-Levy paying employers – payroll is less than £3m

Government funds 90% Incentive payment of £1,000 for taking on an under 19 year old

EQUIP YOUR STAFF WITH A PRESTIGIOUS BCS DEGREE WITH HONOURS IN EMBEDDED ELECTRONIC ENGINEERING FROM THE UNIVERSITY OF GLOUCESTERSHIRE

A STEP UP FOR FUTURE ELECTRONIC ENGINEERS COMBINING TRADITIONAL FACE-TOFACE LEARNING WITH VIRTUAL AND WORK-BASED LEARNING.

- Designed for talented career entrants and those looking to develop in the engineer industry.
- Upskill your employees with a solid grounding in Embedded Electrical Engineering