

HNC in Cloud Computing with Amazon Web Services (AWS)



Subject Area	Digital
Course Type	Higher Education
Study Level	Level 4
Delivery Mode	Part-time
Location	Advanced Technology Centre
Duration	2 Academic Years
Start Date	September 2025
Course Code	PPHN001

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Course Summary

This course provides you with a foundation for understanding cloud computing with practical experience. By the end of the course, you will be able to communicate accurately and appropriately and have the qualities needed for employment in the sector. You will develop a range of transferable skills to ensure effective team working, including using your initiative, organisational competence and using problem-solving strategies. You will be adaptable and flexible in your approach to computing, show resilience under pressure, and meet challenging targets within the cloud computing industry.

Bradford College has joined the prestigious worldwide AWS Academy program from Amazon Web Services (AWS) which is a global program that provides us with access to cloud computing content to support your learning in a competitive digital workplace. As a member, Bradford College can help you become proficient and certified in the use of AWS technologies and ready to join the dynamic cloud IT workforce. As a HE computing student, you will be given an opportunity to enhance your employability skills, helping you get ready for the world of work.

What You Will Learn

You'll learn from a well-rounded curriculum in cloud computing, cloud infrastructure, cloud development and cloud security theory and practice, thus maximizing your career potential.

- equip students with cloud computing skills, knowledge and the understanding necessary to be job ready in the cloud computing field
- provide education and training for a range of careers in cloud computing, with specific emphasis on roles in cloud support, cyber security and software development
- provide opportunities for students to enter or progress in employment in cloud computing roles or to progress to higher education qualifications such as an Honours degree in cloud computing or a related area
- provide insight and understanding into international cloud computing operations and the opportunities and challenges presented by a globalised marketplace
- equip students with knowledge and understanding of culturally diverse organisations, cross-cultural issues, diversity and values
- provide opportunities for students to develop the skills, techniques and personal attributes essential for successful working lives
- provide opportunities for those students with a global outlook to aspire to international career pathways
- provide opportunities for students to achieve a nationally recognised professional qualification
- provide opportunities for students to achieve vendor accredited certifications
- offer students the chance of career progression in their chosen field
- allow flexibility of study and to meet local or specialist needs
- offer a balance between employability skills and the knowledge essential for students with entrepreneurial, employment or academic aspirations.

Modules

At Level 4, students develop a broad knowledge and awareness of key aspects of the cloud sector through eight units, including a unit assessed through a Pearson-set assignment. The units of study are as follows:

Unit 1: Cloud Fundamentals

Unit 2: Networking in the Cloud

Unit 3: Security in the Cloud

Unit 4: Programming

Unit 5: Database Design and Development in the Cloud

Unit 6: Deploying and Operating in the Cloud (Pearson Set)

Unit 7: Website Design and Development in the Cloud

Unit 10: Computer Systems Architecture

This programme can then lead onto progression onto an appropriate BSc honours degree at level 5.

Entry Requirements

Entry to this course requires a minimum of 48 UCAS Tariff points as well as a minimum of 3 GCSEs at a grade 4/5 or C or above in GCSE English and Maths or an equivalent qualification.

Applications are welcomed and encouraged from those who do not meet the standard entry requirements but can demonstrate the ability to study at Higher Education level.

Some credit points may be built up through prior learning and experience.

For further information please contact: HEComputing@bradfordcollege.ac.uk

Please note that there are no additional course costs associated with your study on this programme. All equipment is provided by the College. Students are free to purchase their own copies of books to support their studies – but all texts are available for loan from the College Library.

Work Experience

Although this course does not directly offer work experience, there are opportunities for you to undertake a work placement or work experience during your time studying on this course.

The course assessment will involve the learner working on industry driven projects provided by local stakeholders and AWS Educate. Furthermore, the qualification embeds the AWS Educate Cloud Associate certification programme, so offers learners with the opportunity to be AWS certified or gain certification credit towards other AWS certifications or services.

Progression

Successful completion of the HNC in Cloud Computing programme can lead to progression to further studies at on one of our undergraduate computing degrees or enter into employment within the Cloud Computing, Networking and Digital sectors. Furthermore, as this programme is aligned to the AWS Educate programme from Amazon Web Services, successful learners will receive certification that can be used as credit to progress within the AWS training programme or used in conjunction with the HNC qualification to gain employment.

Disclaimer: Our prospectus, college documents and website are simply here to offer a guide. We accept no liability for any inaccurate statements and are not responsible for any negative outcomes if you rely on an inaccurate statement. We reserve the right to withdraw any programmes or service at any time.