



About the programme

The BSc (Hons) Computer Science - Artificial Intelligence, is a course run in partnership with The University of the West of England, UK, that gives students the unique opportunity to gain a British degree from right here in Nepal.

This flexible, employer-focused programme in Computer Science uses modern teaching methods to guide students in the use of complex algorithms. Learners on the course will further be taught how to explore big data and implement software on state-of-the-art platforms. Students will also have the chance to choose from suitably designed and selected modules that offer them the opportunity to specialise their knowledge in evolving fields such as Smart Devices.

Graduates will gain a strong grasp of modern AI, Data Analytics, and essential tools, addressing the global skills shortage in this field.

Accrediting Body

In the UK, this course is accredited by the Engineering Council and the British Computer Society.

*The Engineering Council is the UK regulatory body for the engineering profession. We hold the national registers of over 222,000 Engineering Technicians (EngTech), Incorporated Engineers (IEng), Chartered Engineers (CEng) and Information and Communications Technology Technicians (ICTTech).

Duration

1 Year - International Foundation Programme (IFP)

3 Years - University Direct Entry

Intakes September/January

Contacts

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University of the West of England (UWE Bristol)

UWE Bristol is one of the popular universities in Britain, with almost 30,000 students from over 140 countries worldwide. To accommodate this wealth of national and international students, UWE boasts over 3000 staff members, who work together to facilitate a total of 600 courses. As well a range of short courses, UWE offers both undergraduate and postgraduate degrees - two of which we are proud to offer here at TBC. The BBA (Hons) and the MSc in International Business Management (MIBM) are both awarded by the University of the West of England, and by joining one of them, you could have the opportunity to be a part of the 96% of UWE Bristol graduates who are in work or further studies six months after graduating.



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TBC360

BSc (Hons)

Computer Science - Artificial Intelligence

Awarded by:

University of The West of England

 **Designing
Intelligent Futures**

Level 3/Year 0 : TBC-UWE International Foundation Programme*

Semester 1

Academic English and Effective Communication	15 Credits
Introduction to Programming	15 Credits
Mathematics for Computing	15 Credits
Computer Fundamentals and Network	15 Credits

Semester 2

Academic English and Effective Communication	15 Credits
Internet Technologies	15 Credits
Fundamentals of Multimedia	15 Credits
Fundamentals of Data Science	15 Credits

*The International Foundation Programme is awarded by University of the West of England (UWE, Bristol).

Level 4: TBC-UWE Programme (Year 1/L4)

Semester 1

Artificial Intelligence I	15 Credits
Computer Systems Architecture	15 Credits
Foundations of Computing	30 Credits

Semester 2

Principle of Programming	30 Credits
Web Development and Databases	30 Credits

Level 5: TBC-UWE Programme (Year 2/L5)

Semester 1

Advanced Algorithms	30 Credits
Advanced Software Development	15 Credits
Artificial Intelligence II	15 Credits

Semester 2

Machine Learning	15 Credits
Operating Systems	15 Credits
Systems Development Group Project	30 Credits

Level 6: TBC-UWE Programme (Year 3/L6)

Semester 1

Advanced Databases	15 Credits
Digital Systems Project	15 Credits
Autonomous Agents and Multi-Agent Systems (Optional)	15 Credits
Big Data Analytics (Optional)	15 Credits
Mobile Applications (Optional)	15 Credits

did you know?

Artificial Intelligence (AI) Market to Hit USD 360.36 Billion by 2028

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Entry Requirements

Foundation Entry: 10+2/CBSE or equivalent 55% and above aggregate score A Level - Minimum 3.5 credits with 3 full credits

University Entry: Overall 75% & above with a minimum of 70% in English

Language: IELTS Score of 6.0 with no less than 5.5 in any band.

Your Future

Embark on your career position in following roles upon degree completion:

- Machine Learning Engineer
- Natural Language Processing Specialist
- AI Consultant
- Robotics Engineer
- Game AI Developer

Semester 2

Cryptography	15 Credits
Entrepreneurial Skills	15 Credits
Digital System Project (Optional)	30 Credits
Information System Dissertation (Optional)	30 Credits

Note: Students must choose one 30 credit optional module in Year 3 Semester 2.