

BSc (Hons) Applied Computer Science

Start year: September 2023

Course length:
3 years full-time / 6 years part-time

Campus: King's Lynn

Accredited by:
Anglia Ruskin University



University Centre
West Anglia



COURSE DESCRIPTION

Computing is changing our world, the way we work and the way we live. To study computer science is to put yourself at the forefront of both technological and social change.

This course examines the principles and technologies underpinning the systems that are driving this change. It provides an opportunity to learn about these directly through a combination of classroom theory and practical activities. Within this context, this degree has two main aims. The first is to provide you with a good understanding of the theory, principles and technologies of computer science. The second is to equip you with the skills to apply this knowledge and theory to a range of practical challenges.

The field of computer science offers a wealth of opportunity across a range of specialist fields. The variety of course options offered allows you to finetune your degree, focusing on areas of interest or to meet the requirements of a favoured career.



ASSESSMENT DETAILS

This course will be assessed through practical, written assignments and formal examinations.



ENTRY REQUIREMENTS

- 80 UCAS tariff points from a minimum of 2 A-levels or equivalent level 3 qualification e.g. Extended Diploma (MMP) or Access to Computing course (30 level 3 credits at a merit).
- GCSE English and maths at grade 4 (C) or above (or equivalent)
- Students without the required entry requirements are considered depending on relevant experience and aptitude.

COURSE COMPOSITION

How many days per week:

3 days per week

What days:

Provisionally Monday, Tuesday and Wednesdays

Expected contact hours (per week):

15 hours

Made up of approximately:

75% seminars / practical workshops, 25% lectures

Expected self-study hours (per week):

33 hours

Experience of course team:

The teaching team at UcWA has been delivering degree level courses in King's Lynn for approximately 20 years, as such have developed considerable experience explaining the complexities of Computer Science to undergraduates. The team consists of several specialists who have had industrial experience working as software developers, networking engineers and consultants in sectors such as business intelligence, oil & gas exploration, manufacturing and retail, enabling them to relate the subjects covered to real world situations and applications.



MODULES

All the following modules are compulsory to achieve the qualification.

Year 1

Module name	Credits
Computer Systems	30
Introduction to Programming	30
Software Principles	30
Operating Systems	15
Core Mathematics for Computing	15

Year 2

Module name	Credits
Database Design & Implementation	15
Network Routing	15
Software Engineering	30
Computer Research Methodologies	15
Digital Security	15
Algorithm Analysis & Data Structures	15
Web Programming	15

Year 3

Module name	Credits
Image Processing	15
Professional Issues – Computing & Society	15
Final Project	30
Artificial Intelligence	15
Advanced Network Solutions	15
Distributed Programming	15
Human Computer Interaction	15



COURSE FEES

Tuition fees:

Full-time: £9,000 (2023-2024)

Part-time: £4,500 (2023-2024)

We set our course fees annually. As students pay a fee for each year of their course, the fees set for future academic years may be higher than those set in the 2023/2024 academic year.

For each future academic year of your course of study, your fees may be subject to review and increase on a basis in line with the Retail Prices Index (RPI) plus 3%. RPI is a measure of inflation published monthly by the Office for National Statistics which measures the changes from month to month in the cost of a representative sample of retail goods and services bought by consumers within the UK. This means that your course fees will not be increased each year by more than RPI + 3% from the previous year's fees and will not ever exceed the maximum amount that the government allows higher education institutions to charge students in the related academic year.

ADDITIONAL COSTS

Whilst there are no specific additional costs, students will require access to a suitable computer at home.

All software used is either open source or licences are provided by the university centre.

There are various non-compulsory trips throughout the course; including a 3-day 'hackathon' in Norwich in conjunction with UEA.

FURTHER STUDY AND PROGRESSION

Courses offered at UcWA:

In-service Post Graduate Certificate in Education (PGCE) - Level 7

Career opportunities

- Software Engineer
- Network Engineer
- IT Consultant
- Teacher