



Do you want to learn about the world of technology, work with computers, or build an app, but you're not sure if you qualify for university study?

Our BSc (Hons) Computing degree is available as a four-year route with an integrated foundation year. Whether it's been a while since you last studied, or you feel you didn't achieve the grades you needed in previous academic pursuits, the foundation year will set you up with the required skills and subject knowledge needed to take on a full undergraduate degree in computing. Covering a variety of modules, including programming in a range of languages, website design, software engineering & database implementation, you will learn to design, develop and review a range

of new and sophisticated frameworks in computer technologies, preparing you for the modern workplace. Find out more about this computing degree and take the next step in your IT career.

Modules are:

Foundation Year

Developing Academic Skills

Learn the key skills needed to succeed in undergraduate studies, as an Arden student. Time management, self-study, identifying credible sources and how to apply them to your studies will be covered, providing you with the ability and self-confidence to develop as an independent learner.

Using Numeracy, Data and IT

Gain the solid knowledge base in numeracy, data and IT needed to take on undergraduate study. You will be introduced to spreadsheets and learn to

use some simple formula functions. You will design numerical analyses and select appropriate ways to present your data that will inform problem solving. Learn to calculate ratios, proportions, percentages and averages and how to present them with graphics.

Research Skills and Using Information

Learn the process of developing and implementing an academic project in this module. You will develop basic research and data presentation skills, learn to draw meaningful conclusions from data sets, and craft an academic research paper from quality information

Values, Ethics and Working Collaboratively

Arden students are ethical students. This module will use cases to explain what ethics is and why it's important,

to ensure people are treated with dignity. Learn to work collaboratively in a way that promotes and protects individual rights and ethical values in a range of professional sectors. This module covers a range of topics from business ethics, to data security, to working with vulnerable people.

Technology in Organisations

Use theory, practical learning and experience to discover the role of IT in organisations. Understand the evolving role of Information Systems in modern organisations, how the advancement in telecommunications impacted them, and the IT security and data privacy measures they need to stay safe. You'll also learn how to create, edit and format a range of organisational documents using IT.



Structure of Business

Gain an understanding of the different types of business and the key concepts associated with introductory economics. Learn to evaluate the strengths and weaknesses of various legal frameworks and finance-generating alternatives for a new business. You will explore the role key 'Human Resource' policies play within an organisation. Current business world examples will be used so your studies remain cutting edge and relevant.

Level 4

Professional Development

This module is all about you and the workplace. We'll help you brush up your communication skills, work out your learning style and explore

the dynamics of working with other people. You'll thrash out strategies for problem solving, pinpoint the skills you've got (and the ones you can take with you into the world of work) and generally boost your personal and professional development.

Computer Technology

This one's all about systems: hardware, software and the basics of networking. First up, you'll get your head round system design and start thinking about the tech that different users might need. Then it's time to get practical, with hands on projects that involve building and maintaining computer systems. Health and safety might get a bad press but it's vital - and you'll learn all about that too.

Website Design

Time to get online now. We're talking website design, kicking off with all the things that make a great site; namely niftydesign, making it accessible, working with different browsers and designing a page to suit the user. You'll learn about all the techniques and technologies used in the World Wide Web - as well as a fair few that are only just being thought of.

Information Systems in Organisations

Information is power - and businesses know it. That's why this module will help you understand how you might get data, what data you need and what you want to get out of it. Database Design Deeper into data now. It's all about how to build a smart

database that's easy to store - and you can easily get your hands on all the information lurking inside (what the jargon fans call 'relational database design').

Software Engineering

A module that's all about working out what your customer needs - and developing software to give it to them. Along the route, you'll come across different ways of doing this (programming and engineering approaches) and we'll also show you how to make sure everything you do is tip top quality.



Level 5 Programming

Object oriented systems are at the heart of this module - and it's at the heart of most programming languages too. You'll get to grips with class design, using inheritance and aggregation techniques. Then you'll test your skills by developing small applications.

Systems Analysis and Design

Who knew you could use the term lifecycle in relation to computing? When you tick this module off, you'll have learned how to take a critical look at systems and reviewed different lifecycle models. Analysis and design techniques coupled with a sprinkling of fact-finding methods such as focus groups, interviews and questionnaires will help you get to grips with who your users are and what they need.

Database Implementation You made a start on this subject in the first year - now you're back for a level up. As well as the thinking behind those relational databases, you'll master practical skills too: how to design, programme and develop databases. And how to put them into practice in a business.

Data Communications

So you've got all that data, you've built an impressive database for it - now how do you get that information to where it needs to be? Welcome to data communications. You'll find out all about the ways data is moved around a network.

Quality Systems in IT Have you seen codes such as ISO 13000 bandied about? This is where you'll find out all about them. ISO stands for the International Standards Organisation and it

sets quality standards. You'll find out what can go wrong and how to deliver a gold standard.

Dynamic Website Development

You learned website basics in the first year and now you're going to step up to the next rung on the ladder. You'll cover more advanced tech and ideas, dynamic content and how databases work with web-based systems. One thing doesn't change though: the user is still at the heart of everything you do. You'll know you've finished this module when you can create your own server side website.

Level 6

Current Trends in Networking

This constantly evolving module looks at leading edge technologies and their impact on people. You'll be evaluating whether a new product is better

than the old one, and assessing the impact of innovation in the communications sector.

Management in IT

By this stage, you'll be thinking pretty seriously about your next steps. We will spend time with you looking at what it takes to be an IT or technology manager. You'll explore how you'd outsource, fit into a business, manage your own department and deal with contractors and consultants.

Computer Systems Security

Cryptographics is a great word. It's also the basis for the all-important computer security. This module will look at cybercrime, the law and those weak spots where systems and people might be vulnerable to attack.



e-Commerce Systems

You'll be designing and building your own e-commerce system for this one. An in-depth look behind the digital shop front, including client-server computing, markup languages, client-side scripting, server-side scripting.

Computing Project

This last big project means you can really get your teeth into the bits of the course that you really love. Whether it's an experiment, an investigation or a practical piece of work is entirely up to you. You will need to back it up with academic work and tech and we'll encourage you to do surveys and interviews to come up with your own data. Don't worry - one of your tutors will always be there to keep you on track.

Course duration

By completing a foundation year, you'll take four years to complete the course in total. Your course will be delivered through a blend of online and face-to-face teaching, compressing the number of days you need to be at the study centre.

You can find out more information on the course page, visit arden.ac.uk

Alternatively, please call our admissions team on:

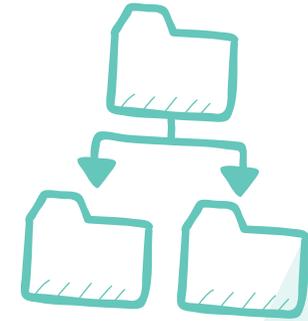
+44 (0) 2476 515700 or
0800 268 7737 for more details.

Entry requirements

The four-year route with integrated foundation year is perfect for those with a desire to return to education or seeking to develop key study skills in their first year. Candidates are required to submit a personal statement (of between 350-550 words) or attend an interview demonstrating an ability to study the programme, taking into account:

- their motivation for undertaking the programme
- relevant work experience
- prior qualifications
- references

If your previous study was not in English, you will also need to have IELTS 6.0 or equivalent (no less than 5.5 in any element).



BLENDING
LEARNING
UNDERGRADUATE
COURSE

How to apply

Call: 0800 268 7737

Visit: www.arden.ac.uk

Email: contactus@arden.ac.uk