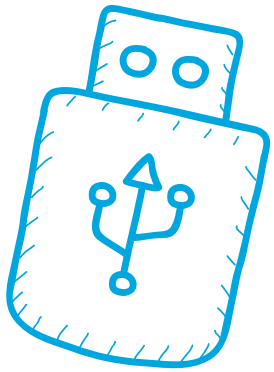
BSC (HONS) COMPUTING

Delivered 100% online, this degree will allow you to explore computing's latest theories, techniques, and issues. You will master the practical skills and understanding you need to thrive in the fast-paced world of computing.



Modules are:

Level 4

Professional Development

This module is all about you and the workplace. We'll help you brush up on your communication skills, work out your learning style, and explore the dynamics of working with others. You'll develop 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 awareness.

Computer Technology

This one's all about systems: hardware, software, and the basics of networking. First, 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.

Website Design

This module is all about website design, kicking off with the things that make a great site, namely: nifty design; 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 Web, as well as a fair few that are only just emerging.

Information Systems in Organisations

Information is power, and businesses know it. This module will help you understand what data you need, how to source and structure it, 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 secure, robust, and allows you to easily access all the information held inside (this is what the jargon fans call `relational database design').

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Software Engineering

This module is all about working out what your customer needs and developing software to give it to them. Along the way, you'll come across different ways of doing this (programming and engineering approaches) and we'll cover the quality processes that make sure everything you do conforms to best practice.

Level 5

Programming

Object oriented systems are at the heart of this module (and 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 your own small applications.

Systems Analysis and Design

When you have completed this module, you'll have learned how to look critically 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, program, and develop databases, plus how to put them into practice in a business.

Data Communications

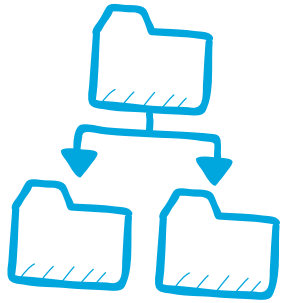
So you've got all that data, you've built an impressive database for it - now how do you transport that information to where it is needed? Welcome to data communications, where you'll find out all about the ways data is moved around a network.

Quality Systems in IT

This is where you'll find out all about the ISO codes that are important to the IT industry. ISO stands for the International Standards Organisation, which sets quality standards. You'll find out what can go wrong and how to deliver a gold standard service.

Dynamic Website Development

You learned website basics in the first year - now you're going to climb 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. However, one thing doesn't change: 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.



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Level 6

Current Trends in Networking

This constantly evolving module looks at leading 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 - so we spend time with you looking at what it takes to be a technology or IT manager. You'll explore how you'd fit into a business and how you'd manage your own department.

Computer Systems Security

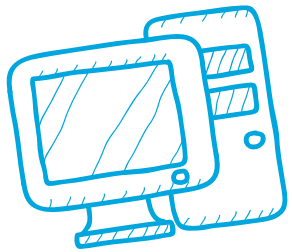
Cryptographics is a great word, and it's also the basis of all important computer security. This module will look at cybercrime, the law, and those weak spots where systems and individuals might be vulnerable to attack.

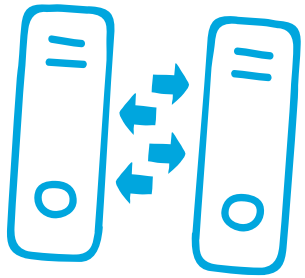
e-Commerce Systems

For this module, you'll be designing and building your own e-commerce system. This is an in-depth look behind the digital shop front, including client-server computing, mark up languages, client side scripting, and server side scripting.

Computing Project

This last big project means you can really get your teeth into the bits of the course that you 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.





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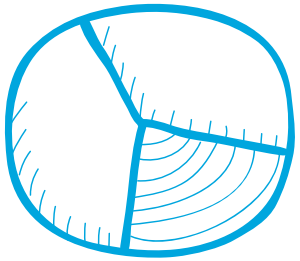
Course duration and hours of study

This varies depending on your rate of progress; you can access modules at a pace that is convenient for you. Once you have accessed a module, there is a minimum and maximum time to finish it.

You can find out more information on the course page:

visit www.arden.ac.uk. Alternatively, please call our admissions team on:

0808 231 7893 for more details



Entry requirements

To be eligible for this course you must have either:

Two subjects at GCE A level or equivalent, plus passes at grade C or above in three subjects at GCSE level or equivalent; or completed a recognised Access Programme or equivalent.

For students whose prior learning was not taught in English:

IELTS 6.0 or equivalent.

If you have work experience

We're happy to consider an application from you if you can show us you have the motivation to study the programme as evidenced through a personal statement, including references, relevant prior experience, and qualifications.

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How to apply

Visit: www.arden.ac.uk

Email: admissions@arden.ac.uk

Call: 0808 231 7893