



Itching to get stuck into all computing's latest theories, techniques and issues? Burning to nail the practical skills you need to thrive in the fast-paced world of the web? This is the degree for you.

Modules are:

Year 1 (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 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 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

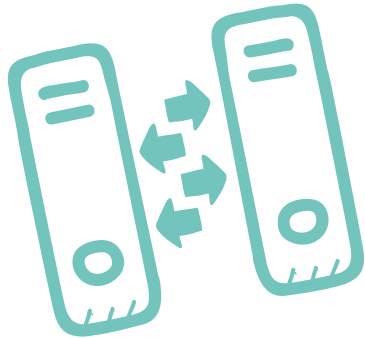
A module that's all about working out what your customer needs - and developing software to give it to them. Along the route, you'll come across different ways of doing this (programming and engineering approaches) and we'll also show you how to make sure everything you do is tip top quality.



Year 2 (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.

Year 3: Level 6

Current Trends in Networking

We can't tell you exactly what you'll study because it's all about real life, leading edge technologies. You'll be studying the very latest, delving into why that new tech is better than the old one.



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 see how you'd fit into a business and how you'd manage your own department.

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, mark up 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.

"This programme is very useful to me. It has helped me to sharpen my skills and enhance my potential. The programme is equally good for self-development. It has increased my way of reasoning and thinking."

- Mary Ogunbolu
Computing student



Course duration and hours of study

This course will take 3 or 4 years to complete, the 4 year option includes a foundation year. Your course will be delivered through a blend of online and face-to-face teaching, compressing the amount of days you need to be at the study centre.

You can find out more information on the course page, visit www.arden.ac.uk. Alternatively, please call our admissions team on:

0208 003 6196 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 don't meet the entry requirements

We offer a 4 year route for this course which includes a foundation year. This option is perfect for those with a desire to return to education or seeking to develop key study skills in their first year.

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.



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How to apply

Visit: www.arden.ac.uk

Email: admissions@arden.ac.uk

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