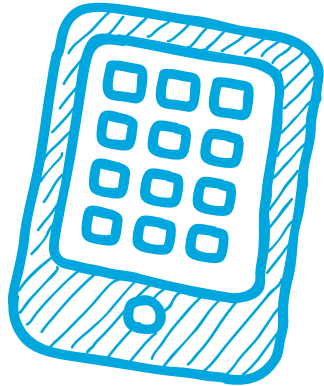**If you're keen to explore the wide-ranging field of mobile computing and its relevance to business and industry, then look no further.**

Technology develops at a rapid pace, and this course will help you keep up to date with emerging trends. Each of the 17 modules will explore the principles of computing and how these work in a mobile context.

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 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.

Website Design

What makes a great website? Here's where you start unpicking the best (and the rest). Armed with the tech, languages, tools, and protocols used across the Web, you'll learn what's needed for a good, accessible site with responsive mobile design. You'll learn about the technology and techniques just coming onto the scene.

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

In this module we cover 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').

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) as well as the quality processes that make sure everything you do is best practice and top quality.

Level 5

Data Communications

So you've got all that data, you've built an impressive database for it - now how do you transmit that information to where it is needed? Welcome to data communications, where you'll learn all about the ways data is moved around a network and get a handle on the theoretical framework of the ISO-OSI seven layer model.

Systems Analysis and Design

When you have completed this module, you'll have learned to look critically at systems and reviewed different lifecycle models. Analysis and design techniques coupled with fact-finding methods such as focus groups, interviews, and questionnaires will help you better understand who your users are and what they need.

Programming

Object oriented systems are at the heart of this module (and 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.

Quality Systems in IT

This is where you'll find out about the ISO codes which are so 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.

Database Implementation

You made a start on this subject in the first level, and 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, as well as how to put it all into practice in a business.

Mobile Technologies

Your specialism in mobile computing really comes centre-stage in this module, and a tour round cellular and wireless tech will give you an overview. Once you've looked at the development of mobile applications and dealt with security, privacy, and ethics, you'll start to design and build your own mobile applications.

Level 6

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, deal with contractors and consultants, and how to outsource.

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.
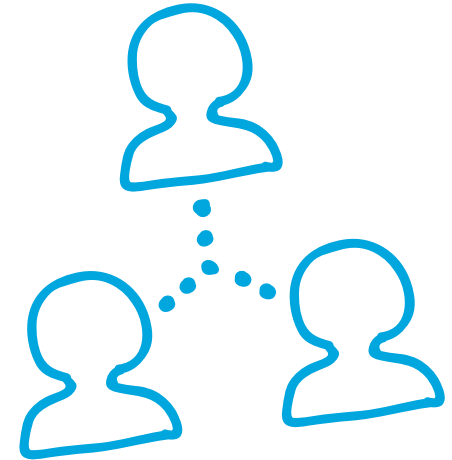
Computer Systems Security

Cryptographics is a great word. It's also the basis of all-important computer security. This module takes in the Cloud and mobile devices, and will look at cybercrime, the law, and the weak spots where systems and individuals might be vulnerable to attack. You'll learn about industry quality standards and take a detailed look at the USA Department of Homeland security.

Mobile Implementations

The nature of mobiles means you need a special approach when it comes to designing software. This module will sharpen your relevant programming skills so you're fully aware of the strengths and weaknesses of mobiles and the best way of delivering content to them.

Computing Project

This last big project means you can 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.

ONLINE UNDERGRADUATE COURSE
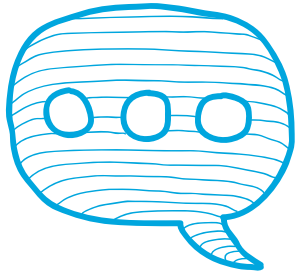
BSC (HONS) COMPUTING (MOBILE COMPUTING)

Course duration and hours of study

This varies depending on your rate of progress, so 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 for finishing the module.

You can find out more information on the course page:

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

0808 273 9442 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.

ONLINE UNDERGRADUATE COURSE

How to apply

Visit: www.arden.ac.uk

Email: admissions@arden.ac.uk

Call: 0808 273 9442