STUDY COMPUTING at ABERTAY UNIVERSITY

UK University of the Year for Teaching Quality*

THE TIMES
THE SUNDAY TIMES

GOOD
UNIVERSITY
GUIDE
2021

UNIVERSITY
OF THE YEAR
FOR TEACHING
QUALITY

* The Times & Sunday Times Good University Guide 2021

Abertay University

DUNDEE, SCOTLAND

University of the Year for Teaching Quality

"Abertay has been instrumental in building the city of Dundee's place as a global hub for computing and gaming, a perfect example of a university and business working together for the common good. Students recognise the excellence of teaching more widely across the university, placing it close to the top of the tree among universities across the UK for the second successive year. It achieves all this while at the same time being the most socially inclusive university in Scotland. Truly, a modern university."

Alastair McCall
Editor of The Sunday Times
Good University Guide

COURSE DETAILS

BSc (Hons) Computing

In an industry where new hardware, software and production technologies are emerging at breakneck speed, computing experts with the ability to apply creativity to existing and future problem areas are in high demand.

This practical programme focuses on software development for mobile, desktop and web platforms, with an emphasis on constructing effective, efficient, robust, and maintainable solutions.

The degree is designed to equip you with high-level subject-specific knowledge, as well as the practical and transferable skills you need to gain a foothold in the computing industry or go on to further advanced study.

Accreditation

bcs Educational Affiliate

Did you know . . . ?
Our Computing programme scored an incredible 97% for the quality of Academic Support in the 2020 National Student Survey.

Check out the full degree details here >
abertay.ac.uk/G400

ENTRY REQUIREMENTS

In addition to being the top university in the UK for teaching quality, we're also the most socially inclusive university in Scotland. We have standard and minimum entry requirements, as we recognise some people may have faced extra challenges before applying to university.

Standard entry requirements

Higher: ABBB | **A-level:** BCC | **ILC (H):** H2H3H3H3
International Baccalaureate: 29 | **BTEC Extended Dip:** DMM

Please see abertay.ac.uk for a comprehensive list of entry requirements.

Essential subjects

One of the following: Computer Science, Maths, Architectural Technology, Human Biology, Biology, Building Construction, Chemistry, Engineering Science, Environmental Science, Geography and Physics

If you have other qualifications, please see abertay.ac.uk for more info.

Minimum entry requirements

If you have the potential and motivation to study at university, regardless of your background or personal circumstances, we welcome your application. We consider the background in which your academic grades have been achieved when making an offer.

We encourage you to submit an application, if you expect to receive passes in three Scottish Highers (grades A-C) and have either:

- Been in care.
- Participated in a targeted aspiration-raising programme such as LIFT OFF, LEAPS, FOCUS West or Aspire North.
- No family background of going to university.
- Attended a school or lived in an area where not many people go to university.

GETTING YOU CAREER READY

There's a constant demand for graduates who can show proven ability to design, build and support software systems and develop computer applications that are effective, efficient and contribute to organisational success.

Graduates from this course have gone on to work for a wide range of organisations in industry, government, entertainment and educational sectors. Our graduates have found work in large multinationals, including ...

- Hewlett-Packard
- BT
- JP Morgan Chase & Co.
- NCR
- Nokia

... as well as smaller, local companies such as MTC and Brightsolid.

Career paths

- Software developer
- Software tester
- Web developer
- System analysts
- Technical consultants

MODULES

These modules are indicative only and reflect the course structure in the current academic year. Some changes may occur between now and the time that you study.

Year 1

Computer Networking 1
Development Practice
Computer Hardware Architecture and Operating Systems
Programming with C++
Software Design
Abertay 101 - Being Successful at Abertay
MySuccess Modules**

Year 2

Data Structures and Algorithms 1
Application Design
Data Structures and Algorithms 2
Programming For The User
Dynamic Web Development 1
Elective Module*

*An elective module is a module outside of the main subject area.

**MySuccess modules aim to introduce you to the expectations of university, successful student behaviours, growth mindset, your strengths, and your areas for development.

Year 3

Dynamic Web Development 2
Professional Project Planning and Prototyping
Software Development for Mobile Devices
Artificial Intelligence
Professional Project Development and Delivery
Software Engineering Practice

Year 4

Enterprise Systems Engineering and Big Data
System Internals and Cybersecurity
Honours Project Proposal and Execution
Honours Project Dissertation
Languages and Compilers

Please see abertay.ac.uk/G400 for a full description of each module.

GRADUATE STORIE

Ben Newcombe - BA (Hons) Computing - Class of 2017

"My degree definitely helped give me the confidence to apply for the role at the BBC, and specific modules have greatly helped me in both personal projects and as I rotate around different teams at work.

I found there was a really close-knit community at Abertay. There's a good range of societies and events. The faculty go to a lot of effort to embrace events like Global Game Jam, and it's doubly fun seeing students from all courses form teams to have a go, no matter their experience.

Abertay feels really unique in how accessible all the students and lecturers from all courses are."

Ben Newcombe | BBC
Graduate Software Engineer

Fraser Patullo - BA (Hons) Computing - Class of 2009

"I'm the Director of software here at Cherwell and it's my job to make sure we get the best out of all the individuals we have working here.

What we've noticed with people coming from Abertay is that particularly from the Computing course they have lot more practical experience than potentially graduates from other universities."

Fraser Patullo
Director of Engineering
Cherwell Software

5 REASONS
TO CHOOSE ABERTAY UNIVERSITY

1. Number 1 in the UK for teaching quality

Abertay was named UK University of the Year for Teaching Quality 2021 by the highly prestigious Times and Sunday Times Good University Guide. Providing the definitive rankings for UK universities, the guide praised our small class sizes, integrated student support and facilitation of personalised learning.

2. We're a UK top 10 university for student satisfaction

That's according to the National Student Survey 2020 and the Guardian Good University Guide 2021. The guide ranks universities based on the stuff that's really important to students like course satisfaction, teaching, academic support and assessment and feedback.

3. We're friendly and supportive

As a small university, you'll benefit from smaller class sizes and find it easier to get to know your tutors and classmates. Most of us need a helping hand at some time so we have a range of support services covering all aspects of university life be it, personal, financial or academic.

4. You'll leave with a career – not just a degree

Did you know 95% of Abertay students are in work or further education within six months of graduating? We're a modern university focused on the kind of industry-relevant learning that's going to land you a job after you graduate, with many of our degrees offering built-in work placements.

5. Our campus and location

Aside from our facilities and award winning, recently refurbished library, our campus is in the heart of Dundee city centre. We're close to shops, bars, cinemas and theatres and a short walk from the bus and train stations. Even better is that Dundee was recently named the 'Best Place to Live' in Scotland in the hotly anticipated Sunday Times awards and consistently ranks as one of the most affordable cities for students.

Scotland's coolest city

- Population of approximately 150,000
- Creative and hi-tech hub - full of creatives, collectives and digital pioneers
- £1 billion Waterfront regeneration transforming the city along the River Tay
- Home of the V&A Museum of Design, the only one outside of London
- Named Scotland's coolest city by The Wall Street Journal*

An ideal for home for students

- Students make up 13% of the population, the highest concentration in Scotland
- Campus is located in the city centre, sprinkled with coffee shops, bars and restaurants
- A vibrant place with loads to do, things to watch, people to meet and and hidden gems to discover
- Lots of local sport, live music yet surrounded by beautiful Scottish scenery

the mcmanus
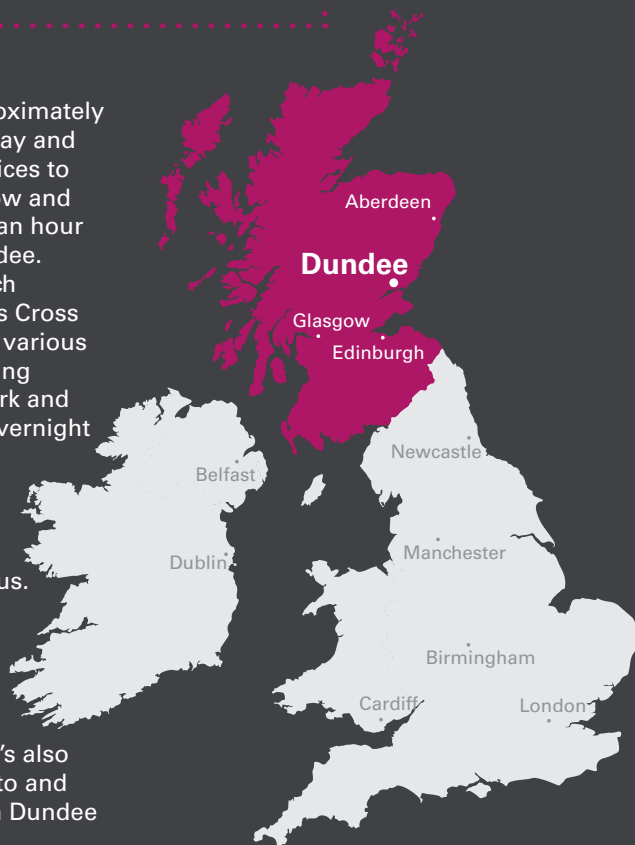DUNDEE'S ART GALLERY & MUSEUM

ABOUT DUNDEE

GET TO US

By rail

Dundee train station is approximately a 10-minute walk from Abertay and provides regular, direct services to and from Edinburgh, Glasgow and Aberdeen. It takes just over an hour to get to each city from Dundee. It takes just six hours to reach Dundee from London's Kings Cross station. This service stops at various locations on the way, including Peterborough, Doncaster, York and Newcastle. There's also an overnight sleeper service.

By bus/coach

Dundee's bus station is just five minutes from our campus. Scottish Citylink, National Express, Stagecoach Group and Megabus services regularly arrive in Dundee from major cities across the UK, including London. There's also a handy return coach direct to and from Edinburgh airport from Dundee city centre.

By air

There are direct flights into Dundee Airport from the south of England and Northern Ireland, and we're just over an hour away from international airports in Edinburgh, Glasgow and Aberdeen.

Aberdeen

Dundee

Glasgow

Edinburgh

Belfast

Newcastle

Dublin

Manchester

Birmingham

Cardiff

London

Find out more
www.abertay.ac.uk

Contact us
Call or email our Student Recruitment Office, we're happy to help.
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