



Technology  
Ireland  

---

ibec

# Is Leaving Certificate Computer Science for you?

Gear your subject  
choice to one of the  
fastest-growing  
sectors



# Why should you study Computer Science?

**Computer Science (CS) courses are quickly becoming one of the most sought-after areas of study. Let's have a look at why you should consider CS as a Leaving Cert subject.**

- CS is relevant to all sectors of the economy, from banking to pharmaceutical and everything in between. You could be a CS specialist looking at medical images like brain scans, predicting what might happen for those patients, or a cyber specialist who uses computer forensics to solve crime.
- Almost all career paths now involve working with tech in some way.
- The skills you will learn are in high demand.
- LCCS is a pathway to careers such as software programming, data analytics or information technology.



**“I thought the subject would have been all programming and coding, but it was so much more. I was really surprised by how broad the term ‘Computer Science’ was, but I love everything about the subject.”**

**Past Leaving Certificate CS Student**

# How do I know it's for me?

## Do you enjoy puzzles, problem-solving, tinkering and logical and creative thinking?

- Do you have an interest in the effect technology has on society, and how computers can have a positive social impact on the world?
- Are you interested in effective communication and managing information?
- Do you enjoy working in groups to solve problems?

There are several ways you can enter the tech industry, from tech apprenticeships to online courses – you do not need a degree to work in this industry!

Those with an artistic eye make good interface designers, while those who like languages can work in the area of Natural Language Processing.

**While Computer Science does require maths, you don't have to be a math whiz to be successful in the industry.**



# What will CS students learn?



## Computational thinking

How to solve problems and think creatively.



## Programming languages

A computer language is what programmers use to develop software programs, scripts, or other sets of instructions for computers to execute.



## Computer systems

What is going on inside a computer and how it works.



## Learning by doing

Learning practically through project and group work.



## Computers and society

Ethics and social implications of computers.



## Problem-solving

Students will plan, design and build solutions to real-world problems



## Design and development

Students are creators and designers of technology.

More information about how the programme is structured is available [https://cc.careersportal.ie/school/lc\\_subject\\_detail.php?course\\_id=55](https://cc.careersportal.ie/school/lc_subject_detail.php?course_id=55).



# Where to next?

The range of career opportunities with this subject is wide. As well as this, the skills learned (problem-solving, logical thinking and programming) will be hugely valuable in many workplaces and activities.

Some career examples are:

- IT Consultant
- Games Designer
- Data Analyst
- Digital Media Designer
- Software Engineer
- Web Developer
- Information Architect

Computer science attracts all kinds of people – there is no stereotype in this industry. Computer science is for everyone, including you!

Ireland is now home to all of the

**top ten**

global technology companies

**240,000+**

employed in digitally intensive sectors in Ireland



# What is the outlook for a graduate in the technology sector?

Ireland is a European tech powerhouse and one of the tech capitals of the world. A career in the Irish tech sector means working in the fastest-growing and fastest-changing career sector.

Computer science rewards innovation and creativity but demands accuracy and massive attention to detail.

Find out more at <https://gradireland.com/careers-advice/information-technology/your-career-technology>.

You can also hear from recent graduates who have gone on to pursue a career in the Technology Sector. Find out at <https://gradireland.com/search/advice?search=%23gradstories> what they love about their jobs, what their main role responsibilities are, what skills they need to be successful in their roles, and much, much more.



**Technology  
Ireland**  
ibec

**Technology Ireland**

84/86 Lower Baggot Street  
Dublin 2

T: + 353 1 605 1500

E: [info@technology-ireland.ie](mailto:info@technology-ireland.ie)

W: [www.technology-ireland.ie](http://www.technology-ireland.ie)

[@technologyireland](https://twitter.com/technologyireland) [#computersciencecareers](https://twitter.com/computersciencecareers)