



Your Degree What Next: *Computer Engineering*

What can I do with my Computer Engineering degree?

When you graduate from this course you can work as a computer engineer, designing computer hardware, writing computer programs, integrating the various sub-systems together or doing all three. You could focus on hardware engineering and design hardware such as circuit boards and microprocessors, or go into software engineering where you would develop programmes and applications for computers and mobile devices. You will find opportunities for employment in software companies, financial institutions, large industrial organisations, research institutions and multinationals in Ireland as well as in Europe, the US and Asia.

Typical job titles and employers of computer engineering graduates include:

Roles	Employers
Computer engineer	Accenture
Software developer	Microsoft
Software engineer	Workday
Systems engineer	SAP
BIOS engineer	Oracle
IT Consultant	IBM

You might also decide to continue your studies, and there are many options to specialise at masters and PhD level in areas such as data science, networks, intelligent systems or media technologies. While these are the types of career paths graduates of your course typically enter, many graduate roles are open to graduates of all disciplines, so your options are much broader than those related strictly to your course. If you're not sure what you'd like to do, check out the career planning resources on the Careers Service website and book an appointment with your careers consultant.

Useful Resources

The organisations and professional bodies listed below are useful resources for career / sector specific information:

Professional Bodies and Useful Sites	Resources
Silicon Republic	gradireland (IE)
Tech Ireland	Targetjobs (UK)
Tech and Startup jobs	Prospects (UK)
Computer Jobs	Vault Career Insider (Global)
Irish Game Makers Association	Gradcracker (UK)

Graduate attributes and transferrable skills you can develop at Trinity

You gain a wide range of skills and attributes while at College, through academic study, clubs and societies, voluntary work, student politics, work and other commitments. These are important to recognize as they inform your career decisions and are a critical ingredient in your applications for postgraduate study and jobs.

Here are some skills you can gain :

1. Critical Thinking - The most fundamental part of a university education is learning to work on your own and to make independent judgments. You have to discover the information that you need to analyse complex questions and develop your ideas about them and to present your arguments clearly and persuasively.

2. Teamwork - Learning to work as part of a team is an important skill; sharing the workload, agreeing roles and working as a team to develop ideas, analyse information and present a coherent group argument.

3. Independent Research - You will have learnt how to use the library and other complex information resources and coordinate information from a wide variety of sources.

4. Logical argumentation - You will know how to bring together facts and arguments in order to answer a specific ques-

5. Time and project management - By working on assignments and studying for exams you will have developed the ability to revise and consolidate your work and know how to extract the essential points from a mass of information. You will also have learned how to manage your own time and to work under pressure of deadlines.

6. Verbal communication - You will know how to present your ideas orally and to contribute constructively to discussions.

7. Written communication - You will have had the opportunity to present your ideas in writing accurately and concisely, using convincing arguments which are based on solid evidence; responding flexibly to different types of questions and expressing your thoughts concisely; carrying out in-depth research on a specialised topic and develop the sustained writing skills needed.

8. Digital Skills - You will have the opportunity of developing your computer skills both from typing up your own essays and papers and from undertaking searches on the web & using databases.

9. Personal Development – You are managing the learning required for a degree and recognising the gaps in your understanding and ensuring that these are addressed in ways that best suit your learning style.

How can the Careers Service help me?

The Careers Advisory Service supports students in exploring their career options and connects students with employers. You can book an appointment with your careers consultant to help you deciding your next step in your career.

Login to MyCareer at www.tcd.ie/careers and book your appointment today.

Contact Us

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