



Your Degree What Next: *Mechanical and Manufacturing Engineering*

What can I do with my degree?

As a graduate of this course you could find yourself working in high tech manufacturing, the automotive industry, process engineering, or in engineering and business consultancy. Opportunities exist for you to find employment in Ireland and elsewhere in engineering consultancies, public utilities (transport, power generation) and manufacturing industries in the mechanical, electronic and bio-medical sectors. As well as the potential for a career in mainstream mechanical or manufacturing engineering, graduates of this course have found work in industries as diverse as film production, financial services and airlines. There is also a demand for specialist research and development work in industry, research organisations and universities. You might go on to further study in areas such as high performance computing, biomechanics, material science engineering, bioengineering or aerospace engineering. Examples of the types of jobs you might go into as a graduate of this course, and typical employers, include:

Roles

Automotive test engineer
Design engineer
Industrial engineer
Medical design engineer
Project engineer
Systems Analyst

Employers

Siemens
Jaguar Land Rover
Proctor & Gamble
ESB
Arup
Deloitte

While these are the types of jobs 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. The highly transferrable skills you gain on this course are particularly in demand in areas like business, finance and consulting. 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

Engineers Ireland
Green Jobs Ireland
Federation of Aerospace Enterprises Irl
Silicon Republic

Resources

gradireland (IE)
Targetjobs (UK)
Prospects (UK)
Gradcracker (UK)
Vault Career Insider (Global)

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

Careers Service
2nd Floor, 7-9 South Leinster Street,
Trinity College, Dublin 2, D02 K104

Email: careers@tcd.ie
Website: www.tcd.ie/careers
Telephone: (+353 1) 896 1721 | 896 1705



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