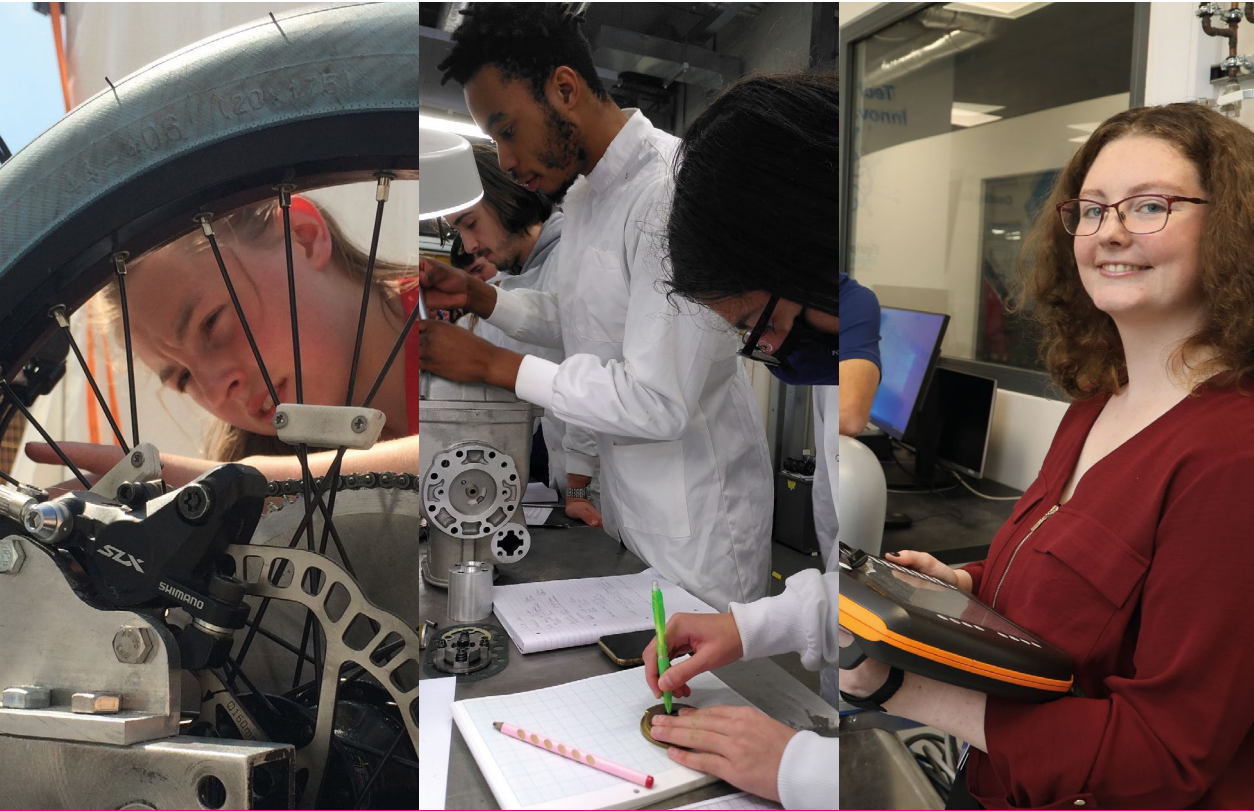




OLLSCOIL NA  
GAILLIMHE  
UNIVERSITY  
OF GALWAY

Coláiste na hEolaíochta  
& na hInnealtóireachta  
College of Science  
& Engineering



# BE/ME Mechanical Engineering

University  
ofGalway.ie

# BE/ME

# Mechanical Engineering

## Why choose this course?

If you've ever looked at a machine with moving parts and asked "how does it work?" you're on the road to becoming a mechanical engineer. We design and create machinery—some you see all round you, some hidden from view—that interacts with people and the environment to make lives better. We also work out how to manufacture thousands or millions of products containing the most advanced technology, to get them into people's hands. This degree programme is designed to provide graduates with the skills to face the challenge for newer, better, faster, more reliable, more versatile, longer-lasting, more environmentally friendly products and processes.

Learning about Mechanical Engineering will develop your analytical and scientific skills, as well as a range of specialist knowledge. It will also help you to nurture your creative side and work in big and small teams, as you search for solutions that nobody has thought of before, and turn your ideas into reality.

## Course Overview

Mechanical Engineering is a subject concerned with the design and manufacture of parts and systems that make up the range of machinery and equipment you see around you, from heating systems to wind turbines. Mechanical engineers design the tools and processes necessary to create all man-made products and are often involved from conceiving of an idea right through to seeing it as a finished product ready for its commercial application.

## Career Opportunities

Mechanical Engineering offers diverse career opportunities. Students gain experience as a paid engineer in industry through the Professional Experience Programme to provide a launchpad for their engineering career after graduation. Graduates work in sectors such as:

- Automotive
- Aircraft and aeroengine design
- Power generation
- Wind turbines
- Manufacturing
- Heating and cooling in buildings
- Electric vehicles
- Research and development
- Motorsport
- Engineering software development

## Duration

4 years

**After a stint in the energy sector, I now work in research and development for a Galway-based aerospace startup. My day-to-day activities include research, design, prototyping, building and testing mechanisms. My course at University of Galway laid a good foundation for my career so far, since it made me adaptable to two vastly different industries. The project work was most enjoyable because I could put learning into practice, and it prepared me for the workplace.**

**Tobias Ritter**  
Integrated Masters (BE/ME)  
Mechanical Engineering



**Find out more**  
The College of Science  
and Engineering



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