

Wrexham Glyndwr University, United Kingdom



BEng (Hons) Automotive Engineering

Wrexham Glyndwr University - This honours degree is for those who have a strong interest in mechanical engineering and a clear desire to develop their knowledge and skills in automotive engineering. It has been designed for the automotive industry (regional and national) in response to the shortfall of mechanical engineers.

The course explores fully the engineering, design, analysis and development of modern cars using various race cars as support for teaching. It also puts emphasis on learning transferable skills, which are applicable to many other industries.

The exciting range of career options open to you when you graduate includes working with car manufacturers and their supply network, in automotive research and development, in consultancy, engineering management, automotive design and in the motorsport industry.

There's a national shortage of fully-qualified engineers in the automotive industry; with a degree in automotive technology you'll stand out from the crowd when it comes to finding employment.

[Read More](#)

Course Outline YEAR 2 (LEVEL 5) Course Outline YEAR 3 (LEVEL 6) Career Prospects

At this level, the teaching team starts to encourage the students to work and learn by themselves. We are not only preparing you to be a knowledgeable practitioner, but we are also preparing you to become a reliable and independent problem solver.

- Business, Research & Professional Development
- Automotive Design
- Further Engineering Mathematics
- Engineering Mechanics & Design
- Structures Analysis
- Internal Combustion Engine Systems

This is the final year of the Bachelor degree. The first semester is generally focussing on developing

the specific automotive knowledge. Your individual project will allow you to specialise further into a field of your choice. At the end of this, you will be a graduate engineer ready for the industry!

- Dissertation (Honours)
- Engineering Modelling and Simulation
- Aerodynamics
- Automotive Dynamics & Powertrain Analysis

Optional

- Structural Vibration Analysis
- Composite Materials

**The information listed in this section is an overview of the academic content of the programme that will take the form of either core or option modules. Modules are designated as core or option in accordance with professional body requirements and internal academic framework review so may be subject to change.*

**All applications are individually assessed.*

- race car dynamics
- motorsport electronics
- chassis engineering
- performance car structures
- electronic technologies
- performance engines

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