

# BEng(Hons) Automobile Engineering

## BEng (Hons) Full-time/Part-time

UCAS Code: H330 BEng/AE  
(3 yr Route)

UCAS Code: H336 BEng/AuE4  
(4 yr Route includes HND)

UCAS Code: H303 BEng/ME5  
(5 yr Route includes  
Foundation & HND)

Duration: 3 to 5 years full-time,  
3 to 5 years part-time depending  
on level of entry.

Available as: Single Honours

Start Date: September

Entry Requirements: 200 UCAS  
points or equivalent.



## ABOUT THE COURSE

Automobile courses have been delivered successfully at Bolton for more than 30 years. The course aims to educate you in many disciplines related to the automobile industry. It aims to develop the skills needed by the modern automobile engineer. The emphasis of the course is to balance the theory and the practice. The approach of case study, practical/laboratory work and problem solving based projects will be used throughout the course.

## WHAT YOU WILL LEARN

The course is designed for students who are interested in design and development work related to the motor industry. It also develops business and managerial skills, so that graduates can quickly adapt to a position of responsibility in industry.

## WHAT YOU WILL STUDY

The first part of the course covers subjects such as:

- Design and Applications, Motor Vehicle Studies, Vehicle Science, Transport and the Environment, Internal Combustion Science.

The second part follows on and covers topics such as:

- Automobile Component Design, Vehicle Testing, Composites, Motor Vehicle Studies, Automobile Related Project.

In the Final Year, there is:

- Individual Automobile Design project, Motor Vehicle Studies, Vehicle Handling and Aerodynamics, Vehicle Structures.

## HOW WILL THIS COURSE HELP YOU GET A JOB?

The course is internationally recognised. Its multidisciplinary nature will help you to enter many different forms of employment. Previous graduates have secured positions of responsibility in the motor industry in such areas as design, testing, development and motorsport. On completion, you may also choose to continue your formal education in the form of Masters and research degrees. Opportunities are available for working in the modern worldwide automobile engineering industry.

## SPECIAL FEATURES

The department has dedicated automobile and engine test facilities, engineering laboratories and state-of-art design studio with design, analysis and simulation software. Staff who teach on the course carry out current research in Vehicle Crashworthiness, composite materials and artificial intelligence, and have established a good reputation nationally and internationally. You will benefit from the long-time links the department has with the automotive industry. You are encouraged to work on live projects and participate in the formula student competition.

Features include:

- Dedicated engineering laboratories.
- State-of-art design studio with design, analysis and simulation software.
- Most modules have a practical content
- Close link with national and international industries and organisations.
- Taught by staff who currently carryout research in related areas, such as: crashworthiness vehicles, composite materials and artificial intelligence.

## JOB PROSPECTS

There are many opportunities after graduation, since automotive products and systems are very much demanded by the highly competitive international marketplace. Graduates can use the multidisciplinary knowledge of the automobile industry gained throughout the course, or can pursue a higher degree and research related to the motor industry.

## PROFESSIONAL ACCREDITATION

The course is designed to follow the route of Incorporated Engineer status and gain membership of Society of Automotive Engineers.

## OTHER RELATED COURSES

- Foundation Year
- BEng (Hons) Mechanical Engineering
- BSc (Hons) Motor Vehicle & Transport Studies

SCHOOL OF BUILT  
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