

EngD Programme Structure

Centre for Doctoral Training:

To Advance the Deployment of Future Mobility Technologies

Online CPD on training skills, high voltage working, health and safety

Year 1

Initial cohort building and initial taught modules – delivered at Warwick
Design and development of industrial research with Industrial Partner(s)

Taught Modules at Warwick

Attendance at stream specific annual conferences

CDT Cohort annual conference

Annual review with industrial supervisor/university mentor

Years 2 /3

With sponsoring industrial partner(s) - Industrial research

Taught Modules at Warwick

Attendance at stream specific annual conferences

CDT Cohort annual conference

Annual review with industrial supervisor/university mentor

Year 4

With sponsoring industrial partner(s) - Industrial research

Taught Modules at Warwick

Attendance at stream specific annual conferences

CDT Cohort annual conference

Research portfolio submission

Final Examination

Outreach and public engagement activities, organised as a cohort

TAUGHT MODULES DETAILS:

- Number of taught modules will depend on prior qualifications and experience
- Students will select modules from the Engineering and Manufacturing MSc programmes, example modules shown below.
- All students will complete a compulsory cohort project in Year 1, based on a real world industrial problem.
- All students will study for the Postgraduate certificate in Transferrable Skills in Science in years 2-4, which includes modules on research skills, business, ethics, social responsibility and policy.
- Industrial sponsors and relevant external partners will deliver specific training and illustrative lectures throughout the programme.

STREAM 1: Wide Bandgap Power Electronics

Example modules:

- Power Electronic Converters and Devices
- Advanced Power Electronic Converters and Devices
- Electrical Machines and Drives
- Operation and Control of Power Systems
- Advanced Control

STREAM 2: Connected and Autonomous Vehicles

Example modules:

- Automotive sensors and sensor fusion
- Network and Communications for Connected Car
- Machine Intelligence and Data Science
- Human Technology Interaction
- Robust Automotive Embedded Systems