Module Requirements for Smart, Connected and Autonomous Vehicles

Candidates for the MSc will be required to take 180 credits, as follows:

- The 60 credit project

- 105 credits from the Core list

- 15 credits from the Optional list

Candidates for the Postgraduate Diploma will be required to take 120 credits, as follows:

- 105 credits from the Core list

- 15 credits from the Optional list

Candidates for the Postgraduate Certificate will be required to pass 60 credits, as follows:

- 60 credits from the Optional Core list

Candidates for the Postgraduate Award will be required to pass 30 credits, as follows:

- 30 credits from the Optional Core list

Note that the list each module is associated with is different from MSc/PgDip to PgCert to PGA, as defined in the relevant columns of the table below.

Definition of terms:

- Core: students must pass the module (50% or above)

- Optional core: students must take the stated proportion of modules from this list and must achieve a pass (50% or above).

- Required: students must achieve mark of 40% or above on the module

- Defined Elective: students must take the stated proportion of modules from this limited list

- Optional (elective) modules: students may take any remaining credits from this list after satisfying the list requirements outlined above

- Students are still required to achieve the stated amount of passed credits and credits failed in the 40s for award as per General PGT Regulations page

Course regulations are written as the basis on which awards can be made. They are not written to make any guarantee of which optional modules may be available in any location in a specific academic year.

21/22 to 22/23 Smart, Connected Autonomous Vehicles – Full and Part Time Programmes

MSc / PgDip lists	PgCert list	PGA list	Module Code	Module Title	Credits
Project			WM9B8-60	SCAV Project	60

Core	Optional Core	Optional Core	WM915-15	Robust Automotive Embedded Systems	15
Core	Optional Core	Optional Core	WM917-15	Networks and Communications for the Connected Car	15
Core	Optional Core	Optional Core	WM918-15	Automotive Sensors and Sensor Fusion	15
Core	Optional Core	Optional Core	WM919-15	Machine Intelligence and Data Science	15
Core	Optional Core		WM992-15	Human Technology Interaction	15
Core			WM991-30	Fundamentals of Automotive Research, Development and Management	30
Optional			ES968-15	Project Planning Management and Control	15
Optional			WM908-15	Programming and Fundamental Algorithms	15
Optional			WM990-15	Automotive Powertrain Electrification Fundamentals	15
Optional			WM993-15	Modelling and Simulation of Systems	15
Optional			WM988-15	System Engineering, Safety and Automotive Standards	15

Students may apply to the Programme Management for exemptions from specific modules, and, if granted, must select an alternative appropriate elective module to comply with the module requirements for the course. Modules listed under other WMG modular master's degree regulations may be available to candidates for these awards as a replacement for those listed above, subject to approval by the Director of Studies.

For more information on general Postgraduate Regulations, please visit the Academic Guidelines Section.

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