Guide to self-assessment of curricular requirements for eligibility to the Advanced Automotive Engineering MD programme, Motorvehicle University of Emilia Romagna

Eligibility is guaranteed for the following Bachelor's Degrees: Mechanical Engineering, Vehicle Engineering, Aerospace Engineering, Automotive Engineering, Motorsport Engineering, Naval Engineering, Mechatronic Engineering, Industrial Engineering.
In general and for all the other cases, the knowledge required for eligibility concerns an adequate mastery of the methods and general scientific contents in the basic scientific disciplines (mathematics, computer science, statistics, physics, and chemistry) and in the engineering disciplines that are preparatory for the degree programme.
In the case of Bachelor's Degrees with a maximum of 180 ECTS, the curricular requirements necessary for eligibility are certainly met by having at least 85 ECTS in the sectors as indicated in Table 1, while respecting the minimums specified in Table 2.
If your academic record is very close to these values and you would like to proceed with a personalized assessment, please feel free to contact us.

Table 1 **List of subjects in which is necessary to have obtained at least 85 ECTS**
Information.
Systems and control engineering, Information processing systems, Electric and electronic measurements.
General and inorganic chemistry, Chemical foundations of technologies.
Algebra, Geometry, Mathematical analysis, Probability and statistics, Mathematical physics, Numerical analysis, Operational research.
Experimental physics, Physics of matter
Ship structures and marine engineering, Flight mechanics, Aerospace structures and design, Aerospace equipments and systems, Fluid dynamics, Aerospace propulsion, Fluid machinery, Energy systems and power generation, Thermal engineering and industrial energy systems, Building physics and building energy systems, Mechanical and thermal measurements, Applied mechanics, Mechanical design and machine construction, Design methods for industrial engineering, Manufacturing technology and systems, Industrial mechanical plants, Metallurgy, Materials science and technology, Applied physical chemistry, Chemical technologies, Electrical engineering, Power electronic converters, electrical machines and drives, Electrical power systems.
Statistics for experimental and technological research.
Language and translation – English.

Table 2 **Minimum number of ECTS required in respective groups of subjects**	**ECTS minimum**
Informatics, Information processing systems, Algebra, Geometry, Mathematical analysis, Probability and statistics, Mathematical physics, Numerical analysis, Operational research, Statistics for experimental and technological research, General and inorganic chemistry, Chemical foundations of technologies, Experimental physics, Physics of matter.	32
Ship structures and marine engineering, Flight mechanics, Aerospace structures and design, Aerospace equipments and systems, Fluid dynamics, Aerospace propulsion, Fluid machinery, Energy systems and power generation, Thermal engineering and industrial energy systems, Building physics and building energy systems, Mechanical and thermal measurements, Applied mechanics, Mechanical design and machine construction, Design methods for industrial engineering, Manufacturing technology and systems, Industrial mechanical plants, Nuclear power plants, Metallurgy, Materials science and technology, Applied physical chemistry, Chemical technologies, Electrical engineering, Power electronic converters, electrical machines and drives, Electrical power systems, Systems and control engineering.	48

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