

(\*) Indicates that there are additional or special requirements, consult the end of the document



Santa Cruz de Marcenado, 27  
28015 Madrid - España.

## Automobile Engineering

Integrated Programme at the Polytechnic School  
International offering 2023-2024

### FIRST SEMESTER (September to January only)

ECTS	Acad. Year	Course Name	Language
6	1	Calculus I	Spanish
6	1	Physics I	Spanish
6	1	Graphical Expression I	Spanish
6	1	Fundamentals of Computing	Spanish/English
6	1	Leadership I	Spanish
6	2	Calculus II	Spanish
6	2	Graphical Engineering in the Automobile I	Spanish
6	2	Circuits	Spanish
6	2	Fundamentals of the Science of Materials	Spanish/English
6	2	Regulations	Spanish
6	3	Statistics	Spanish
6	3	Theory of Machines	Spanish/English
6	3	Resistance of Materials	Spanish/English
6	3	Fluid Mechanics	Spanish/English
6	4	Electric Vehicles	Spanish/English
6	4	Industrial Processes I	Spanish/English
6	4	Calculation of Structures	Spanish/English
6	4	Automobile Instrumentation and Electronics	Spanish

### SECOND SEMESTER (January to May / June only)

ECTS	Acad. Year	Course Name	Language
6	1	Mathematics I	Spanish
6	1	Vehicle Systems and Parts I	Spanish/English
6	1	Physics II	Spanish
6	1	Graphical Expression II	Spanish
6	1	Chemistry *	Spanish
6	2	Mathematics II	Spanish
6	2	Graphical Engineering in the Automobile II	Spanish/English
6	2	Materials in the Automobile Environment	Spanish/English
6	2	Thermodynamics *	Spanish
6	2	Electronics	Spanish
3	3	Automation and Control Methods	Spanish
6	3	Motors *	Spanish
3	3	Electric Machines	Spanish
6	3	Theory of Vehicles	Spanish
6	4	Industrial Processes II	Spanish
6	4	Automobile Quality and Project Management	Spanish

Syllabi:

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6	4	Vehicle Systems and Parts II	Spanish/English
6	4	Leadership II	Spanish

**\* ANNOTATIONS AND SPECIAL REQUIREMENTS:**

Chemistry \*

Cannot be followed remotely.

Thermodynamics \*

Cannot be followed remotely.

Motors \*

Cannot be followed remotely.