

Curso Superior de Tecnologia em Eletrônica Automotiva/ Automotive Electronics Technology Degree Course
Fatecs Sorocaba

1st Term	2nd Term	3rd Term	4th Term	5th Term	6th Term
Electricity for Automotive Control Unit (6)	Digital Electronics II (4)	Internal Combustion Engines I (4)	Internal Combustion Engines II (4)	Engine Management (4)	Diesel Engines (2)
Digital Electronics I (4)	Analog Electronics I (4)	Sensors and Actuators (4)	Automotive Communications Networks* (4)	Brake System (4)	Vehicular Electromagnetic Compatibility (2)
Programming Technique and Language (2)	Technical Design I (2)	Analog Electronics II (4)	Loading and Starting (4)	Vehicular Inspection (4)	Technology for Commercial and Special Vehicles (4)
Applied and General Physics I (4)	Applied and General Physics II (4)	Microcontrollers* (4)	Automotive Management Units* (4)	Transmission, Suspension and Steering System (4)	Automotive Communication Technologies (4)
Calculus I (4)	Transport Phenomena (4)	Control* (4)	Comfort, Convenience and Safety Systems (4)	Vehicle Air-Conditioning Systems (4)	Quality System (2)
Portuguese Language Business	Basic Metrology (2)	Statistics (2)	Environment (2)	Computing Tools for Automotive Applications (2)	Advanced Topics of Microcontrollers Programming (4)
English Language I (2)	Calculus II (4)	Numerical Calculation (2)	Hydropneumatics (2)	Undergraduate Major Work I* (2)	Diagnosis (4)
Classes: Weekly - 24 Term - 480	Classes: Weekly - 24 Term - 480	Classes: Weekly - 24 Term - 480	Classes: Weekly - 24 Term - 480	Classes: Weekly - 24 Term - 480	Classes: Weekly - 24 Term - 480
				Management and Entrepreneurship (2)	Undergraduate Major Work II* (2)

* AATG - Self-contained Activities of Undergraduate Major Work - (3rd. 4th., 5th. and 6th. Term) = 400 hours
(not included in the calculation of the minimal credit hours for the area)

Basic Core Subjects			Professional Core Subjects		
	Class	%		Class	%
Portuguese Language	40	1,4	Specific Subjects of Automotive Electronics	1200	41,7
Basic English Language	40	1,4	Specific Subjects	800	27,8
Mathematics and Statistics	240	8,3	Management	40	1,4
Physics	160	5,5	Physics	160	5,5
			Cross-Studies (multidisciplinary)	200	6,9
Total	480	16,7	Total	2400	83,3

COURSE LOAD SUMMARY:

2880 classes in 2400 hours (fulfills CNCST, according to rule 86 in 2009, CEE-SP the guidelines by CEETEPS)
+ (400 hours of AATG) = **2.800 hours**