

Curso Superior de Tecnologia em Eletrônica Industrial / Industrial Electronics Technology Degree Course
Fatec São Paulo

1st Term	2nd Term	3rd Term	4th Term	5th Term	6th Term
Computer Programming (6)	Electric Circuits (6)	Semiconductor Devices (6)	Electronics I (6)	Electronics II (6)	Applied Electronics (4)
Technological Chemistry (4)	Electric Materials (4)	Digital Systems I (6)	Microcontrollers I (6)	Microcontrollers II (4)	Power Electronics (4)
Mechanical Physics (6)	Electric CAD (2)	Processes in Semiconductor (2)	Digital Systems II (4)	Control (2)	Integrated Circuit Project (4)
Differential and Integral Calculus I (4)	Magnetic Physics (6)	Quality Control, Reliability and Failure Analysis (4)	Electronic Instrumentation and Sensors (4)	Telecommunication II (2)	Electronic Assembly (4)
Statistics I (2)	Differential and Integral Calculus II (4)	Entrepreneurship (2)	Manufacturing Process of Electronic Components Process (4)	Scientific Technological Research Methodology (2)	Elective subject I (2)
Technical Writing (4)	Numerical Calculation (2)	Technology and Environment (2)	Telecommunication I (2)	Elective subject II (2)	Elective subject III (2)
	Statistics II (2)	Differential and Integral Calculus III (4)		Elective subject IV (2)	
Classes: Weekly - 26 Term - 520	Classes: Weekly - 26 Term - 520	Classes: Weekly - 26 Term - 520	Classes: Weekly - 26 Term - 520	Classes: Weekly - 20 Term - 400	Classes: semanais - 20 Term - 400

Undergraduate Major Work: 300 hours

Elective courses: Network architecture(2); Data Structures (4); Manufacturing Industry Business Dynamics (2); Environmental Law and Sustainability (2); Extraction of Parameters and Components (2); Manufacturing of Passive Components (2); Printed Circuit Board Manufacturing. (4); Manufacturing Management (2); Humanities (2); Technical English (2); Electric Machines (2); Polymer and Ceramic Materials (2); Organization and Methods of Production (2); Production Planning and Control (2); Statistical Project and Control, (2);

Basic Core Subjects			Professional Core Subjects		
	Class	%		Class	%
Portuguese Language Communication Skills	80	2,7	Specific Subjects of Industrial Electronics	1400	48,6
Mathematics and Statistics	360	12,5	Specific Subjects	320	11,1
Chemistry	80	2,7	Cross-Studies (multidisciplinary)	200	6,9
Physics	240	8,3	Management	40	1,4
			Optativas	160	5,5
Totais	760	26,4	120	2120	73,6

COURSE LOAD SUMMARY:

2880 classes in 2400 hours + 300 hours of Undergraduate Major Work = **2700 hours**