Undergraduate Course in Mechanics Technology - Welding Processes Fatec Sertãozinho e Itaquera.

1st. Term	2nd. Term	3rd. Term	4th Term	5th Term	6th Term
Fabrication Processes I (2)	Fabrication Processes II (2)	Welding Processes I (4)	Welding Processes II (4)	Welding Processes III (4)	Welding Processes IV (4)
Technical Design (2)	Science of Materials (4)	Electricity Applied to Welding (4)	Welding Metallurgy (4)	*Special Topics in Welding: Welding Processes III (4)	*Special Topics in Welding: Pressure Vessels (4)
* Special Topics in Welding: Informatics and AutoCad (4)	Computer Aided Drawing (4)	Mechanical Testings (4)	Welding Costs (2)	Welded Structures Calculus (2)	Industry Maintenance (2)
Concepts of Commercial and Company Law (2)	* Special Topics in Welding: Metrology (4)	* Special Topics in Welding: Mechanical Testing (4)	Micro-structures Analysis Technics (4)	Corrosion (2)	Industry Automation (2)
Chemistry (4)	Physics (4)	Strength of Materials I (4)	* Special Topics in Welding: Heat Exchangers (4)	Iron Alloys Metallurgy (2)	Non-Iron Alloys Metallurgy (2)
Calculus I (4)	Calculus II (4)	Heat Transfer (2)	Scientific Technological Research Methodology (2)	Thermal Treatment (2)	Surfaces Treatment (2)
Mathematics Fundamentals (2)	English Language II (2)	English Language III (2)	Strength of Materials II (4)	Machinery Elements (2)	Safety at Work (2)
Portuguese Language (2)				Undergraduate Project I (2)	Undergraduate Project II (2)
English Language I (2)				Production Management (2)	Quality Management (2)
				Statistics (2)	Environment Management (2)
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

Curricular Internship: 240 hours as of the 4th. Term	Undergraduate Major Work: 160 hours as of the 5th. Term

Basic Core Subjects			Professional Core Subjects		
	Classes	%		lasses	%
Portuguese Language Communication Skills	40	1.4	Welding Processes Major-Specific Subjects	720	25.0
Foreign Language Communication Skills	120	4.2	Specific Subjects	1000	34.7
Mathematics and Statistics	240	8.3	Management	120	4.2
Chemistry	80	2.8	Cross-studies (Multidisciplinary)	280	9.7
Physics	80	2.8	Physics	200	6.9
			*- AAP - Self-Contained Activity Project		
Totals	560	19.4	Totals	2320	80.6

COURSE LOAD SUMMARY:

2880 classes → 2400 hours (fulfills the CNCST under CEE-SP Resolution 86 of 2009 requirements and CPS internal policies) + (240 hours of CURRICULAR INTERNSHIP + 160 hours of Undergraduate Major Work) = 2.800 hours

CNCST - National Catalogue of Higher-Education Technology Courses

CEE-SP - State of São Paulo Council for Education

CPS - Paula Sousa Center