

ELECTRICAL ENGINEERING – BACHELOR’S DEGREE					
Authorization: CONSUN Resolution no. 714/16 of September 23, 2016					
Curriculum 1 implemented in 2016/1					
SEM	CODES	COURSES	CR	HOURS	REQUIREMENTS
	1356	Algorithms and Programming	04	60	-
	3913	Introduction to Engineering	04	60	-
		Analytical Geometry and Linear Algebra			
		Descriptive Geometry and Fundamentals of Technical Design			
	4843	Mathematics Applied to Innovation and Technology	04	60	-
	4880	General Chemistry I	04	60	-
	2604	Text Reading, Writing and Proofreading	04	60	-
	4844	Calculus I	04	60	4841/4843
		Physics – Mechanics			
		Digital Electronics			
	1359	Data Communication	04	60	1356/3913
	1983	Entrepreneurship and Creativity	04	60	-
	2605	Religious Cultural Phenomena	04	60	-
	4845	Calculus II	04	60	4841/4844
		Statistical Methods I			
		Physics – Waves and Electromagnetism			
	0271	Computer Networks	04	60	1359
	4828	Design and Technology	04	60	2604/1983
	4846	Calculus III	04	60	4845
	4850	Mathematics Applied to Engineering	04	60	4845
		Ethics and Human Rights			
		Statistical Methods II			
	4851	Numerical Methods	04	60	4845/4847
	1362	Electrical Circuits I	04	60	4845/4849
Enrollment in 5th and subsequent semester courses requires completion of previous semesters: Academic Board Resolution no. 01/2009 of April 1, 2009					
	4852	Experimental Physics	04	60	4849
	1361	Transportation Phenomena	04	60	4849/4846
		Electronics			
		Electromagnetic Theory			
	1369	Signals and Linear Systems	04	60	4846/4850
	1363	Electrical Circuits II	04	60	4846/1362
	2464	Digital Systems	04	60	2783/4853
	4854	Modern Physics and Optics	04	60	4852/1361
		Control Systems			
		Digital Signal Processing			
	2465	Microprocessors	04	60	2783/4853
	4559	Instrumentation	04	60	2878/1363
	4855	Instrumentation Workshop	04	60	2464/2465
	4856	Electromagnetic Waves	04	60	2878/1370
		Fundamentals of Communication Systems			
		Energy Conversion I			
	4859	Electrical Wiring I	04	60	4559
	4861	Renewable Energies I	04	60	4854/4559
	4863	Power Electronics	04	60	4855
	4864	Automation Systems	04	60	1389/1375
		Energy Conversion II			
		Electrical Wiring II			
	4865	Energy Transmission Systems	04	60	4856/4859
	4866	Supervised Professional Internship	08	180	168 créditos
	2468	Robotics	04	60	4864
	4867	Energy Conversion Workshop	04	60	4863/4858
		Renewable Energies II			
		Energy Generation and Distribution I			
	3780	Environmental Planning and Management	05	75	4828/4865
	2619	Senior Project I	04	60	192 créditos
	4870	Electrical System Protection	04	60	4860/2468
	4869	Energy Generation and Distribution II	04	60	4862/4868
		Project Design and Management			
		Fundamentals of Management			
	2620	Senior Project II	04	60	2619
	1096	Elective course	04	60	-
Subtotal			245	3735	
Supplementary Activities				180	
TOTAL				3915	

Proficiency in a Foreign Language: Students must take the English language proficiency test when they have at the most 6 (six) courses left to complete their program, according to Academic Board Resolution no. 452/15 of April 1, 2015.

Elective courses: Students may enroll in any courses of programs offered by Unilasalle and mutually agreed upon with program coordinators, as long as their requirements have been fulfilled.

Students may take Brazilian sign language as an elective course according to Decree 5626/2005.

Supplementary Activities: Students are required to carry out the Supplementary Activities in order to fully fulfill the Curriculum, according to Academic Board Resolution no. 436/13 of April 10, 2013.