

ELECTRICAL ENGINEERING - BACHELOR'S DEGREE	C	H
DISCIPLINE		
MODULE I - ACADEMIC INITIATION IN ENGINEERING		
ALGORITHM AND PROGRAMMING	4	80
PORTUGUESE: LANGUAGE AND COMMUNICATION*	4	80
ELECTRICAL ENGINEERING AND OCCUPATIONAL SAFETY	4	80
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DESCRIPTIVE GEOMETRY AND TECHNICAL DRAWING	4	80
MODULE II - ENGINEERING ELEMENTS		
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STATISTICAL METHODS	4	80
GENERAL CHEMISTRY	4	80
MODULE III - PROJECT ELEMENTS		
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MICROCONTROLLERS	4	80
INTEGRATIVE PROJECT: EFFICIENCY	4	80
MODULE IV - FUNDAMENTALS OF TELECOMMUNICATION, ELECTRONICS AND ELECTRICAL PROJECTS		
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ELECTRONICS	4	80
PROJECT OF HOME AND COMMERCIAL ELECTRICAL INSTALLATION	4	80
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MODULE V - ENGINEERING, INNOVATION AND TECHNOLOGY		
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MODULE VI - INSTALLATIONS, SIGNALS, POWER AND ELECTRIC MACHINES		
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SIGNALS AND LINEAR SYSTEMS	4	80
MODULE VII - CONTROL, COMMUNICATION AND RENEWABLE ENERGY		
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DIGITAL SIGNAL PROCESSING	4	80
DIGITAL COMMUNICATION SYSTEMS	4	80

MODULE VIII - ENERGY, AUTOMATION AND ADVANCED ASPECTS IN ELECTRICAL ENGINEERING		
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INDUSTRY 4.0	4	80
TRANSMISSION, DISTRIBUTION AND PROTECTION SYSTEMS	4	80
SMART GRIDS AND ELECTRICAL VEHICLES	4	80
MODULE IX - PROFESSIONAL ASPECTS OF ELECTRIC ENGINEERING		
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MODULE X - FINAL PAPER AND ENTREPRENEURSHIP		
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FINAL PAPER	4	80