Electrical Engineering
Duration: 4 Years
Type Trimesters (three quarters per year of 15 weeks each).
12 trimesters * in Total
Inquire about our accelerated studies plan for qualified students.
Diploma Awarded: Electrical Engineer.

With the following specializations:

- Electrical Engineering, Telecommunications Emphasis
- Electrical Engineering, Metrology Emphasis
- Electrical Engineering, Biomedical Engineering Emphasis
- Electrical Engineering

The aim of the Electrical Engineering program is to educate professionals with a high level of transformative competencies capable of working as designers, evaluators, and managers in the fields of recent developments in electrical engineering. This responds to the human, scientific, and technological requirements of a globalized society. The Electrical Engineering program features a current and flexible curriculum that promotes comprehensive education, autonomy, a strong sense of belonging, and excellent results in various contexts.

Degree to be Obtained: Electrical Engineer.

PROFILE OF THE GRADUATE OF THE SCHOOL OF ELECTRICAL ENGINEERING

A graduate of our Electrical Engineering program is an integral professional whose personality is fundamentally characterized by effective integration into society, the environment, and the workplace. Regarding physical conditions, heightened sensory acuity is the essential characteristic of the graduate of this program. Additionally, they have the ability to tolerate environments with high noise levels, both open and enclosed. They are responsible, organized, reasonable, analytical, reflective, and interested.

Moreover, they have a high capacity to navigate both personal and professional environments, whether social or work-related and always express a desire for collaboration. In terms of communication, they use accessible and understandable language, and in written expression, they employ fluent writing. In interpersonal

relationships, they are active, respectful, mature, controlled, and balanced. Furthermore, they have sufficient ability to work in teams, being supportive and tolerant in the face of conflicts.

They possess, manage, and master knowledge from different areas of human activities, which, while not extensive, allows them to fulfill their role as a professional, human, and social entity. In addition, they adhere to professional ethics, comply with established norms and regulations, and respect humanity, society, and the surrounding environment. An Electrical Engineer has extensive knowledge of electromagnetic phenomena to apply them in the generation, transmission, control, and conversion of electrical energy. They also have expertise in the design, manufacturing, analysis, operation, and maintenance of devices and electronic systems that control, process, and transmit information.

Professional Profile

Designs electrical installations in high, medium, and low voltage for industrial, commercial, residential, and special applications, using national and international regulations, safety conditions, computational tools, and/or simulations to enhance the quality for users. Ensures, above all, their integrity and safety, with ethical awareness, solidarity, social responsibility, and ecological consciousness.

Evaluates electrical installations through the corresponding regulations, measurement instruments, and diagnostic tools to make decisions and recommend necessary corrections in industries, public networks, and commercial centers in an organized manner, with criteria of honesty, ethics, and a sense of social responsibility.

Manages aspects related to high, medium, and low voltage electrical installations, utilizing management tools for planning, execution, and control to ensure the optimal operation of these installations with the least amount of resources. Maintains an ethical, humble, dynamic, and assertive behavior.

Electrical Engineering, Telecommunications Emphasis

01_EE_Tri01_FEB-1M_Mathematics_I
02_EE_Tri01_FEB-1L_Mathematical_Logic
03_EE_Tri01_FEB01G_Analytical_Geometry
04_EE_Tri01_FG-1EF_Physical_Education_for_Health_and_Sports
05_EE_Tri01_FEB01I_Computer_Science
06_EE_Tri01_FG-1EC_Ethics_and_University_Culture
07_EE_Tri01_FG-1IC_Identity_and_Cultural_Expression
08_EE_Tri02_FEB02M_Mathematics_II

09_EE_Tri02_FEB02F_Physics_I
10_EE_Tri02_FEB02A_Linear_Algebra
11_EE_Tri02_FG-2PB_Basic_Processes_of_Thought
12_EE_Tri02_FEB02I_Introduction_to_Engineering
13_EE_Tri01_FEB01I_Informatics
14_EE_Tri03_FEB03M_Mathematics_III
15_EE_Tri03_FEB03F_Physics_II
16_EE_Tri03_FG-3CT_Science_Technology_and_Society
17_EE_Tri03_FEB03E_Mechanics
18_EE_Tri03_FEB03Q_Chemistry
19_EE_Tri03_FEB03L_Physics_Laboratory
20_EE_Tri03_FG-3DH_Integral_Human_Development
21_EE_Tri04_FEB04M_Mathematics_IV
22_EE_Tri04_FEB04D_Computer-Aided_Design
23_EE_Tri04_FEB04A_Algorithmic
24_EE_Tri04_FEB04T_General_Systems_Theory
25_EE_Tri04_FEB04E_Fluid_Mechanics
26_EE_Tri04_FG-4ED_Ecology_and_Productive_Development_2021
27_EE_Tri04_FG-4ES_Education_for_Sustainability
28_EE_Tri05_FEE05M_Mathematics_V
29_EE_Tri05_FEE05R_Electric_Networks_I
30_EE_Tri05_FEE25E_Applied_Statistics
31_EE_Tri05_FEE25D_Electrical_Measurements
32_EE_Tri05_DEE25L_Laboratory_of_Electrical_Measurements
33_EE_Tri06_FEE06R_Electric_Networks_II
34_EE_Tri06_FEE06L_Laboratory_of_Electric_Networks
35_EE_Tri06_FEE26F_Fundamentals_of_Electromagnetism
36_EE_Tri06_FEE06E_Electronics_I
37_EE_Tri06_FEE06C_Material_Sciences
38_EE_Tri06_FG-6ED_Ecology_and_Productive_Development_2021
39_EE_Tri07_FEE27M_ELECTRIC_MACHINES_I
40_EE_Tri07_FEE07E_Electronics_II
41_EE_Tri07_FEE07L_Laboratory_of_Electronics
42_EE_Tri07_FEE27D_Digital_Logic
43_EE_Tri07_FEE27A_Laboratory_of_Digital_Logic
44_EE_Tri07_FG-7GP_GEOPOLITICS
45_EE_Tri07_FEE27V_POWER_TRANSMISSION_LINE_ELECTIVE
46_EE_Tri08_FEE28M_ELECTRIC_MACHINES_II
47_EE_Tri08_FEE28L_Laboratory_of_Electric_Machines
48_EE_Tri08_FEE28C_Control_I
49_EE_Tri08_FEE28E_Electrical_Conduits

50_EE_Tri08_FEE05T_THERMODYNAMICS
51_EE_Tri09_FEE29S_POWER_SYSTEMS
52_EE_Tri09_FEE29C_Control_II
53_EE_Tri09_FEE29L_Laboratory_of_Control
54_EE_Tri09_CM2B34_MOTOR_CONTROL_ELECTIVE
55_EE_Tri09_FET29C_ANALOG_COMMUNICATION
56_EE_Tri10_FEE2AS_PROTECTION_SYSTEMS
57_EE_Tri10_FEB0AI_Economic_Engineering
58_EE_Tri10_FEI-AP_Basic_Research
59_EE_Tri10_FEE2AD_Distribution_Systems
60_EE_Tri10_FET2AC_DIGITAL_COMMUNICATION
61_EE_Tri10_FEE0BA_ANTENNA_AND_PROPAGATION
62_EE_Tri11_FEE2BM_MAINTENANCE_AND_ELECTRICAL_TESTS
63_EE_Tri11_FEB0BA_Administration_and_Management
64_EE_Tri11_FEI2BP_Applied_Research
65_EE_Tri11_FEB0BL_Labor_Legislation
66_EE_Tri11_FET2BT_Telematics
67_EE_Tri11_FET2BC_MICROWAVE_COMMUNICATIONS
68_EE_Tri12_FEE2CR_Professional_Practice
69_EE_FEI2CP_SOCIALLY_INTEGRATING_PROJECT

Or:

IElectrical Engineering with an emphasis in Metrology

01_Ing_Eléctrica_Tri01_FEB-1M_Mathematics_I
02_Ing_Eléctrica_Tri01_FEB-1L_Mathematical_Logic
03_Ing_Eléctrica_Tri01_FEB01G_Analytical_Geometry
04_Ing_Eléctrica_Tri01_FG-1EF_Physical_Education_for_Health_and_Sports
05_Ing_Eléctrica_FG-1EC_Ethics_and_University_Culture
06_Ing_Eléctrica_Tri01_FG-1IC_Identity_and_Cultural_Expression
07_Ing_Eléctrica_Tri02_FEB02M_Mathematics_II
08_Ing_Eléctrica_Tri02_FEB02F_Physics_I
09_Ing_Eléctrica_Tri02_FEB02A_Linear_Algebra
10_Ing_Electricas_Tri02_FG-2PB_Basic_Processes_of_Thought
11_Ing_Eléctrica_Tri02_FEB02I_Introduction_to_Engineering
12_Ing_Electrica_Tri01_FEB01I_Informatics
13_Ing_Eléctrica_Tri03_FEB03M_Mathematics_III
14_Ing_Eléctrica_Tri03_FEB03F_Physics_II
15_Ing_Eléctrica_Tri03_FG-3CT_Science_Technology_and_Society
16_Ing_Eléctrica_Tri03_FEB03E_Mechanics
17_Ing_Eléctrica_Tri03_FEB03Q_Chemistry
18_Ing_Eléctrica_Tri03_FEB03L_Physics_Laboratory
19_Ing_Electrica_tri06_FG-3DH_Integral_Human_Development
20_Ing_Eléctrica_Tri04_FEB04M_Mathematics_IV
21_Ing_Electrica_Tri04_FEB04D_Computer-Aided_Design
22_Ing_Electrica_Tri04_FEB04A_Algorítmica
23_Ing_Electrica_Tri04_FEB04T_General_Systems_Theory
24_Ing_Eléctrica_tri04_FEB04E_Mechanical_Fluids
25_Ing_Eléctrica_Tri05_FEE05M_Mathematics_V
26_Ing_Eléctrica_Tri05_FEE05R_Electric_Networks-I
27_Ing_Electrica_Tri05_FEE25E_Applied_Statistics
28_Ing_Eléctrica_Tri05_FEE25D_Electrical_Measurements
29_Ing_Eléctrica_Tri05_DEE25L_Laboratory_of_Electrical_Measurements
30_Ing_Eléctrica_Tri06_FEE06R_Electric_Networks-II
31_Ing_Eléctrica_Tri06_FEE06L_Laboratory_of_Electric_Networks
32_Ing_Eléctrica_Tri06_FEE26F_Fundamentals_of_Electromagnetism
33_Ing_Eléctrica_Tri06_FEE06E_Electronics-I
34_Ing_Eléctrica_tri06_FEE06C_Material_Sciences
35_Ing_Electrica_tri06_FG-6ED_Ecology_and_Productive_Development_2021
36_Ing_Eléctrica_Tri07_FEE27M_ELECTRIC_MACHINES-I

37_Ing_Eléctrica_Tri07_FEE07E_Electronics-II
38_Ing_Eléctrica_Tri07_FEE07L_Laboratory_of_Electronics
39_Ing_Eléctrica_Tri07_FEE27D_Digital_Logic
40_Ing_Eléctrica_Tri07_FEE27A_Laboratory_of_Digital_Logic
41_Ing_Eléctrica_Tri07_FG-7GP_GEOPOLITICS
42_Ing_electrica_-tri07_FEE27V_POWER_TRANSMISSION_LINE_ELECTIVE
43_Ing_Eléctrica_Tri08_FEE28M_ELECTRIC_MACHINES-II
44_Ing_Eléctrica_Tri08_FEE28L_Laboratory_of_Electric_Machines.pdf
45_Ing_Eléctrica_Tri08_FEE28C_Control-I
46_-Ing_Electrica_Tri08_FEE28E_Electrical_Conduits
47_Ing_Eléctrica_Tri08_FEE05T_THERMODYNAMICS
48_Ing_Electrica_Tri08-INTRODUCTION-TO-METROLOGY
49_Ing_Electrica_Tri08-QUALITY-MANAGEMENT-SYSTEMS
50_Ing_Eléctrica_Tri09_FEE29S_POWER-SYSTEMS
51_Ing_Eléctrica_Tri09_FEE29C_Control-II
52_Ing_Eléctrica_Tri09_FEE29L_Laboratory_of_Control
53_Ing_Eléctrica_FEE29I-INDUSTRIAL-SYSTEMS
54_Ing_Electrica_-Tri09_CM2B34_MOTOR-CONTROL-ELECTIVE
55_Ing_Electrica_Tri09-DIMENSIONAL-METROLOGY
56_Ing_Eléctrica_Tri10_FEE2AS_PROTECTION-SYSTEMS
57_Ing_Eléctrica_Tri10_FEB0AI_Economic_Engineering
58_Ing_Eléctrica_Tri10_FEI-AP_BASIC-RESEARCH
59_Ing_Eléctrica_Tri10_FEE2AD_Distribution-Systems
60_Ing_Eléctrica__Tri10-THERMOMETRY
61_Ing_Eléctrica__Tri10-PHYSICAL-AND-MASS-METROLOGY
62_Ing_Eléctrica_Tri11_FEE2BM_MAINTENANCE-AND-ELECTRICAL-TESTS
63_Ing_Eléctrica_Tri11_FEB0BA_Administration_and_Management
64_Ing_Eléctrica_Tri11_FEI2BP_Applied_Research
65_Ing_Eléctrica_Tri11_FEB0BL_Labor_Legislation
66_Ing_Electrica_Tri11-FORCE-PRESSURE-AND-TORQUE-METROLOGY
67_Ing_Electrica_Tri11-GEOMETRIC-AND-DIMENSIONAL-TOLERANCES
68_Ing_Eléctrica_Tri12_FEE2CR_Professional_Practice
69_Ing_Eléctrica_FEI2CP_SOCIALLY_INTEGRATING_PROJECT

Or:

Electrical Engineering, Biomedical Engineering Emphasis

01_Electrical_Eng_Tri01_FEB-1M_Mathematics_I
02_Electrical_Eng_Tri01_FEB-1L_Mathematical_Logic
03_Electrical_Eng_Tri01_FEB01G_Analytical_Geometry
04_Electrical_Eng_Tri01_FG-1EF_Physical_Education_for_Health_and_Sports
05_Electrical_Eng_FG-1EC_Ethics_and_University_Culture
06_Electrical_Eng_Tri01_FG-1IC_Identity_and_Cultural_Expression
07_Electrical_Eng_Tri02_FEB02M_Mathematics_II
08_Electrical_Eng_Tri02_FEB02F_Physics_I
09_Electrical_Eng_Tri02_FEB02A_Linear_Algebra
10_Electrical_Eng_Tri02_FG-2PB_Basic_Processes_of_Thought
11_Electrical_Eng_Tri02_FEB02I_Introduction_to_Engineering
12_Electrical_Eng_Tri01_FEB01I_Informatics
13_Electrical_Eng_Tri03_FEB03M_Mathematics_III
14_Electrical_Eng_Tri03_FEB03F_Physics_II
15_Electrical_Eng_Tri03_FG-3CT_Science_Technology_and_Society
16_Electrical_Eng_Tri03_FEB03E_Mechanics
17_Electrical_Eng_Tri03_FEB03Q_Chemistry
18_Electrical_Eng_Tri03_FEB03L_Physics_Laboratory
19_Electrical_Eng_Tri06_FG-3DH_Integral_Human_Development
20_Electrical_Eng_Tri04_FEB04M_Mathematics_IV
21_Electrical_Eng_Tri04_FEB04D_Computer-Aided_Design
22_Electrical_Eng_Tri04_FEB04A_Algorithmic
23_Electrical_Eng_Tri04_FEB04T_General_Systems_Theory
24_Electrical_Eng_Tri04_FEB04E_Mechanical_Fluids
25_Electrical_Eng_Tri05_FEE05M_Mathematics_V
26_Electrical_Eng_Tri05_FEE05R_Electric_Networks-I
27_Electrical_Eng_Tri05_FEE25E_Applied_Statistics
28_Electrical_Eng_Tri05_FEE25D_Electrical_Measurements
29_Electrical_Eng_Tri05_DEE25L_Laboratory_of_Electrical_Measurements
30_Electrical_Eng_Tri06_FEE06R_Electric_Networks-II
31_Electrical_Eng_Tri06_FEE06L_Laboratory_of_Electric_Networks
32_Electrical_Eng_Tri06_FEE26F_Fundamentals_of_Electromagnetism
33_Electrical_Eng_Tri06_FEE06E_Electronics-I
34_Electrical_Eng_Tri06_FEE06C_Material_Sciences

35_Electrical_Eng_Tri06_FG-6ED_Ecology_and_Productive_Development_2021
36_Electrical_Eng_Tri07_FEE27M_ELECTRIC_MACHINES-I
37_Electrical_Eng_Tri07_FEE07E_Electronics-II
38_Electrical_Eng_Tri07_FEE07L_Laboratory_of_Electronics
39_Electrical_Eng_Tri07_FEE27D_Digital_Logic
40_Electrical_Eng_Tri07_FEE27A_Laboratory_of_Digital_Logic
41_Electrical_Eng_Tri07_FG-7GP_GEOPOLITICS
42_Electrical_Eng_-Tri07_FEE27V_POWER_TRANSMISSION_LINE_ELECTIVE
43_Electrical_Eng_Tri08_FEE28M_ELECTRIC_MACHINES-II
44_Electrical_Eng_Tri08_FEE28L_Laboratory_of_Electric_Machines.pdf
45_Electrical_Eng_Tri08_FEE28C_Control-I
46_Electrical_Eng_Tri08_FEE28E_Electrical_Conduits
47_Electrical_Eng_Tri08_FEE05T_THERMODYNAMICS
48_Electrical_Eng_-Tri08_FEM08I_Introduction_to_Biomedical_Engineering
49_Electrical_Eng_Tri08_Introduction_to_Artificial_Intelligence
50_Electrical_Eng_Tri09_FEE29S_POWER-SYSTEMS
51_Electrical_Eng_Tri09_FEE29C_Control-II
52_Electrical_Eng_Tri09_FEE29L_Laboratory_of_Control
53_Electrical_Eng_FEE29I-INDUSTRIAL-SYSTEMS
54_Electrical_Eng-Tri09_CM2B34_MOTOR-CONTROL-ELECTIVE
55_Electrical_Eng_Tri09_FEM29P_PROGRAMMING
56_Electrical_Eng_Tri10_FEE2AS_PROTECTION-SYSTEMS
57_Electrical_Eng_Tri10_FEB0AI_Economic_Engineering
58_Electrical_Eng_Tri10_FEI-AP_BASIC-RESEARCH
59_Electrical_Eng_Tri10_FEE2AD_Distribution-Systems
60_Electrical_Eng_Tri010_FEM2AI_INSTRUMENTATION-AND-BIOMEDICAL-SIGNALS
61_Electrical_Eng_Tri010_FEM0AB_BIOMECHANICS
62_Electrical_Eng_Tri11_FEE2BM_MAINTENANCE-AND-ELECTRICAL-TESTS
63_Electrical_Eng_Tri11_FEB0BA_Administration_and_Management
64_Electrical_Eng_Tri11_FEI2BP_Applied_Research
65_Electrical_Eng_Tri11_FEB0BL_Labor_Legislation
66_Electrical_Eng_Tri11_FEM2BM_BIOCOMPATIBLE-MATERIALS
67_Electrical_Eng_tri11_FET2BC-RADIOMICROWAVE-COMMUNICATIONS
68_Electrical_Eng_Tri12_FEE2CR_Professional_Practice
69_Electrical_Eng_FEI2CP_SOCIALLY_INTEGRATING_PROJECT

Or:

Electrical Engineering.

00_ElectricalEng_Sem01_DAU000_Deontology and University Attitude
01_ElectricalEng_Sem01_FG-1LM_Mathematical Logic
02_ElectricalEng_Sem01_FPB-1M_Mathematics I
03_ElectricalEng_Sem01_FPB21Q_General Chemistry
04_ElectricalEng_Sem01_FPB21D_Technical Drawing
05_ElectricalEng_Sem01_FPE-1I_Applied Informatics
06_ElectricalEng_Sem01_AV-1EF_Physical Education for Health
07_ElectricalEng_Sem01_AV-1CU_Culture I
08_ElectricalEng_Sem02_FPB02M_Mathematics II
09_ElectricalEng_Sem02_FPB02A_Linear Algebra
10_ElectricalEng_Sem02_FPB02F_Physics I
11_ElectricalEng_Sem02_FPB22E_Statistics
12_ElectricalEng_Sem02_FPE22I_Introduction to Electrical Engineering
13_ElectricalEng_Sem02_AV-2EF_Physical Education for Health
14_ElectricalEng_Sem02_AV-2CU_Culture II
15_ElectricalEng_Sem03_FPB03M_Mathematics III
16_ElectricalEng_Sem03_FPB03F_Physics II
17_ElectricalEng_Sem03_FPE23E_Mechanics
18_ElectricalEng_Sem03_FPE23C_Fluid Mechanics
19_ElectricalEng_Sem03_FPB04A_Applied Administration and Management
20_SystemsEng_Sem04_FG-4PC_Scientific and Technological Issues
21_ElectricalEng_Sem04_FPB04M_Mathematics IV
22_ElectricalEng_Sem04_FPE24C_Material Science
23_ElectricalEng_Sem04_FPE24E_Electrical Measurements
24_ElectricalEng_Sem04_FPE24L_Electrical Measurements Lab
25_ElectricalEng_Sem04_FPE24R_Power Systems I
26_ElectricalEng_Sem04_FPE24A_Power Systems I Lab
27_ElectricalEng_Sem05_FG-5ED_Ecology and Environmental Development
28_ElectricalEng_Sem05_FPE25R_Power Systems II
29_ElectricalEng_Sem05_FPE25L_Power Systems II Lab
30_ElectricalEng_Sem05_FPE25E_Electronics I
31_ElectricalEng_Sem05_FPE25A_Electronics I Lab
32_ElectricalEng_Sem05_FPE25M_Mathematics V
33_ElectricalEng_Sem05_FPE25T_Thermodynamics
34_ElectricalEng_Sem06_AI26PR_Project I
35_ElectricalEng_Sem06_FPE26L_Digital Logic

36_ElectricalEng_Sem06_FPE26D_Digital Logic Lab
37_ElectricalEng_Sem06_FPE26E_Electronics II
38_ElectricalEng_Sem06_FPE26A_Electronics II Lab
39_ElectricalEng_Sem06_FPE26M_Electrical Machines I
40_ElectricalEng_Sem06_FPE26O_Electrical Machines I Lab
41_ElectricalEng_Sem06_FPE26T_Electromagnetic Theory
42_ElectricalEng_Sem07_AI27PR_Project II
43_ElectricalEng_Sem07_FPE27M_Electrical Machines II
44_ElectricalEng_Sem07_FPE27O_Electrical Machines II Lab
45_ElectricalEng_Sem07_FPE27C_Control I
46_ElectricalEng_Sem07_FPE27A_Control I Lab
47_ElectricalEng_Sem07_FPE27N_Canalizations
48_ElectricalEng_Sem07_ED2173_Power Distribution Systems (ELECTIVE)
48_ElectricalEng_Sem07_EE2173_Transmission Lines I (ELECTIVE)
49_ElectricalEng_Sem08_AI28PR_Project III
50_ElectricalEng_Sem08_FPE28S_Introduction to Communications
51_ElectricalEng_Sem08_FPE-8I_Economic Engineering
52_ElectricalEng_Sem08_FPE28C_Control II
53_ElectricalEng_Sem08_EE2283_Transmission Lines II (ELECTIVE)
54_ElectricalEng_Sem08_EC2483_Programmable Logic Controllers (ELECTIVE)
54_ElectricalEng_Sem08_EI2383_Industrial Electronics (ELECTIVE)
54_ElectricalEng_Sem08_EL2383_Industrial Systems (ELECTIVE)
55_ElectricalEng_Sem08_ES2283_Power System (ELECTIVE)
56_ElectricalEng_Sem08_EN2493_Industrial Instrumentation (ELECTIVE)
56_ElectricalEng_Sem09_FG-09L_Labor Legislation
57_ElectricalEng_Sem09_EP2393_Power Systems II (ELECTIVE)
58_ElectricalEng_Sem08_EL2593_Motor Control (ELECTIVE)
58_ElectricalEng_Sem09_EI2393_Digital Design and Microprocessors (ELECTIVE)
59_ElectricalEng_Sem09_ES2693_Protection Systems (ELECTIVE)
60_ElectricalEng_Sem09_FPE29M_Electrical Maintenance
61_ElectricalEng_Sem09_PP210P_Professional Practices
62_ElectricalEng_Sem10_FPE20E_Substation Design
62_ElectricalEng_Sem10_FPE20P_Project Management for Engineering
62_ElectricalEng_Sem10_FPE20S_Low and High Voltage Systems
62_ElectricalEng_Sem10_PFE410_Entrepreneurship Training
62_ElectricalEng_Sem10_AI10PR_Project IV

Contact us today:

www.uniartificialintelligence.com

info@inteligenciaartificial.college

+1 813 556 6634

Ingeniería Eléctrica

Ingeniería Eléctrica

Duración: 4 años

Tipo: Trimestres (tres cuatrimestres por año de 15 semanas cada uno).

12 trimestres en total.

Infórmese sobre nuestro plan de estudios acelerado para estudiantes calificados.

Con las siguientes salidas:

- Ingeniería Eléctrica, Mención Telecomunicaciones
- Ingeniería Eléctrica, Mención Metrología
- Ingeniería Eléctrica, Mención Ingeniería Biomédica
- Ingeniería Eléctrica

Diploma Otorgado: Ingeniero Eléctrico.

El objetivo del programa de Ingeniería Eléctrica es educar a profesionales con un alto nivel de competencias transformadoras capaces de trabajar como diseñadores, evaluadores y gerentes en los campos de los desarrollos recientes en ingeniería eléctrica. Esto responde a los requisitos humanos, científicos y tecnológicos de una sociedad globalizada. El programa de Ingeniería Eléctrica cuenta con un plan de estudios actual y flexible que promueve la educación

integral, la autonomía, un fuerte sentido de pertenencia y excelentes resultados en diversos contextos.

Título a Obtener: Ingeniero Eléctrico.

PERFIL DEL GRADUADO DE LA ESCUELA DE INGENIERÍA ELÉCTRICA

Un graduado de nuestro programa de Ingeniería Eléctrica es un profesional integral cuya personalidad se caracteriza fundamentalmente por una integración efectiva en la sociedad, el entorno y el lugar de trabajo. En cuanto a las condiciones físicas, la agudeza sensorial elevada es la característica esencial del graduado de este programa. Además, tienen la capacidad de tolerar entornos con niveles de ruido elevados, tanto abiertos como cerrados. Son responsables, organizados, razonables, analíticos, reflexivos e interesados.

Además, tienen una alta capacidad para navegar tanto en entornos personales como profesionales, ya sean sociales o laborales, y siempre expresan un deseo de colaboración. En términos de comunicación, utilizan un lenguaje accesible y comprensible, y en la expresión escrita, emplean una escritura fluida. En las relaciones interpersonales, son activos, respetuosos, maduros, controlados y equilibrados. Además, tienen suficiente capacidad para trabajar en equipos, siendo solidarios y tolerantes frente a los conflictos.

Poseen, manejan y dominan conocimientos de diferentes áreas de actividades humanas, que, aunque no son extensos, les permiten cumplir su papel como entidad profesional, humana y social. Además, se adhieren a la ética profesional, cumplen con las normas y regulaciones establecidas y respetan la humanidad, la sociedad y el entorno circundante.

Un Ingeniero Eléctrico tiene un amplio conocimiento de los fenómenos electromagnéticos para aplicarlos en la generación, transmisión, control y conversión de energía eléctrica. También tienen experiencia en el diseño, fabricación, análisis, operación y mantenimiento de dispositivos y sistemas electrónicos que controlan, procesan y transmiten información.

Perfil Profesional Diseña instalaciones eléctricas en alta, media y baja tensión para aplicaciones industriales, comerciales, residenciales y especiales, utilizando regulaciones nacionales e internacionales, condiciones de seguridad, herramientas informáticas y/o simulaciones para mejorar la calidad para los

usuarios. Asegura, ante todo, su integridad y seguridad, con conciencia ética, solidaridad, responsabilidad social y conciencia ecológica.

Evalúa instalaciones eléctricas mediante las regulaciones correspondientes, instrumentos de medición y herramientas de diagnóstico para tomar decisiones y recomendar correcciones necesarias en industrias, redes públicas y centros comerciales de manera organizada, con criterios de honestidad, ética y sentido de responsabilidad social.

Administra aspectos relacionados con instalaciones eléctricas de alta, media y baja tensión, utilizando herramientas de gestión para planificar, ejecutar y controlar para garantizar el funcionamiento óptimo de estas instalaciones con la menor cantidad de recursos. Mantiene un comportamiento ético, humilde, dinámico y asertivo

Contact us today:

www.uniartificialintelligence.com

info@inteligenciaartificial.college

+1 813 556 6634