

Técnico Superior Universitario (Associate Degree)

Automotive Mechanic Area

Obtain your degree in 2 years

It trains student to become competent in manufacturing mechanical elements through use of tools machines taking into consideration the applicable normativity to satisfy the client's needs. As professionals they will be able to lead the automotive mechanical system's support considering diagnosis and repair of the automotive vehicles' optimum functioning.

Syllabus / Automotive Mechanic Area

First quarter <ul style="list-style-type: none">• Lineal algebra• Basic chemistry• Metrology• Information technology I• Technical industrial drawing• English I• Written and oral expression (Spanish)	Second quarter <ul style="list-style-type: none">• Mathematical functions• Probability and statistics• Physics• Electricity and magnetism• Information technology II• Manufacturing I• English II• Sociocultural education I
Third quarter <ul style="list-style-type: none">• Differential calculus• Materials structure and properties• Material resistance• Information technology III• Manufacturing II• Mechanic issues• Integrated subjects I• English III• Sociocultural education II	Fourth quarter <ul style="list-style-type: none">• Integral calculus• Thermodynamics• Service workshop management• Automotive electricity and electronics• Internal combustion• Engines (Diesel)• Internal combustion engines (gasoline)• Automotive systems I• English IV• Sociocultural education III
Fifth quarter <ul style="list-style-type: none">• Automotive air conditioning and cooling system• Automotive control instrumentation• Fuel electronic• Injection system• Integrated subjects II• Automotive systems II• Computerized and electronic ignition systems• English V• Oral and written expression (Spanish)• Sociocultural education IV	Sixth quarter <ul style="list-style-type: none">• Internship

Técnico Superior Universitario (Associate Degree)

Industrial Processes Manufacturing Area

TSU + ENGINEERING 2 degrees in 3 years 8 months

The graduated is able to manage the production through administration tools to cover the client's requirements, as well as manage the supply chain, throughout logistics systems to guarantee the availability of products and materials, managing the manufacturing processes through administration techniques and quality assurance to contribute to the organization competitiveness.

First quarter <ul style="list-style-type: none">• Linear algebra• Basic chemistry• Industrial management• Metrology• Industrial drawing• Informatic tools• English I• Oral and written expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Mathematical functions• Physics• Electricity and magnetism• Production management I• Methods and work systems I• Manufacture topics• Production costs• English II• Sociocultural education II
Third quarter <ul style="list-style-type: none">• Differential calculus• probability statistics• Statistical process control• Manufacturing process I• Plant distribution• Integrated subjects I• Methods and work systems II• safety and industrial hygiene• English III	Fourth quarter <ul style="list-style-type: none">• Integral calculus• Materials structure and properties• Quality management• Environmental management• Production management II• Advanced industrial drawing• Industrial law fundamentals• English IV• Sociocultural education III
Fifth quarter <ul style="list-style-type: none">• Economic engineering fundamentals• Manufacturing process II• Supply chain• Applied manufacturing• Chemistry processes• Integrated subjects II• English V• Written and oral expression II (Spanish)• Sociocultural education IV	Sixth quarter <ul style="list-style-type: none">• Internship

Engineering

Production systems

Graduate profile

The graduate is able to manage the necessary resources of the organization to assure the planned production according to the requirements of the client, administrating the quality management system, with a systemic approach, considering technical and economic factors contributing to a sustainable development besides generating quality standards, ergonomic safety and ecology to achieve the competitively and cost effectiveness of the organization with a globalized approach.

Seventh quarter <ul style="list-style-type: none">• Applied engineering statistics• Advanced math I• Lean manufacturing• Market research• English I• Time management	Eight quarter <ul style="list-style-type: none">• Advanced math II• Industrial metrology• Development and project following• Material engineering• English II• Work planning and organization
Ninth quarter <ul style="list-style-type: none">• Operations research• Materials logistics• Advanced quality topics• Integrated subjects I• Processes simulation• Advanced manufacturing and design• English III• High performance teams' management	Tenth quarter <ul style="list-style-type: none">• Processes engineering• Processes automation• Investment projects analysis• Integrated subjects II• English IV• Business negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Bachelor's degree

Civil protection and emergencies

Graduate profile

It is the professional capable of coordinating the operation of emergency services and civil protection based on the analysis of the risks of agents and disturbing phenomena, intervention plans and actions, administrative tools and applicable regulations, to reduce morbid-mortality and the economic, social and ecological impact.

Seventh quarter <ul style="list-style-type: none">• Physics and material properties• Disaster anatomy• Rescuing and searching• Civil protection administration• English VII• Time administration	Eight quarter <ul style="list-style-type: none">• Physical chemistry and dangerous material• Statistics and probability• Emergencies• Risk analysis• English VIII• Planning and organization of work
Ninth quarter <ul style="list-style-type: none">• Risk analysis II• Community intervention in disaster situations• Logistics and civil protection• Planning and risk management I• Strategic planning• English IX• Leadership of high risk teams	Tenth quarter <ul style="list-style-type: none">• Civil protection training• Urban and environmental planning topics• Planning and risk management II• Integrated subjects• Civil protection simulation• English X• Business negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Técnico Superior Universitario (Associate Degree)

Renewable Energies solar Energy Area

Your degree in 2 years

This professional is able to formulate renewable energy projects through energetic diagnosis and specialized studies focused on the natural resources of a specific environment to promote the sustainable development and the rational and efficient use of energy. Furthermore, implementing photo thermic and photovoltaic systems based on the industrial and social requirements in order to contribute and satisfy the demand of energy and reduce the environment impact.

Syllabus / Solar Energy Area

First quarter <ul style="list-style-type: none">• Probability statistics• Basic chemistry• Electricity and magnetism• Sustainable development• Information technology• Electric circuits• English I• Oral and written expression I (Spanish)• Sociocultural education I and II	Second quarter <ul style="list-style-type: none">• Linear algebra• Physics• Thermodynamics• Electric installations• Industrial electronics• Industrial mechanics• English II• Sociocultural education III
Third quarter <ul style="list-style-type: none">• Math functions• Physical chemistry• Industrial instrumentation• Electromechanical maintenance• Renewable energies• Project formulation• Quality• Integrated subjects I• English III	Fourth quarter <ul style="list-style-type: none">• Differential calculus• Structure and material properties• Applied physical chemistry• Industrial drawing• Power electronics• Meteorological stations• Industrial processes• English IV• Sociocultural education IV
Fifth quarter <ul style="list-style-type: none">• Integral calculus• Industrial safety• Photovoltaic cells• Solar collectors• Project management• Data acquisition• Multi subject course• English V• Oral and written expression II	Sixth quarter <ul style="list-style-type: none">• Internship

Técnico Superior Universitario (Associate Degree)

Mechatronics

Automatization area

The professional is able to develop and to maintain the automatization systems and control system using appropriate technology according to standard, technical and safety specifications, to improve and maintain the productive processes. In addition, to implement measurement systems and control under established standards for the appropriate function of the industrial processes.

Flexible manufacturing system area

The professional is able to develop and to maintain the automatization systems and control system using appropriate technology according to standard, technical and safety specifications, to improve and maintain the productive processes. In addition, to implement measurement systems and control under established standards for the appropriate function of the industrial processes.

Syllabus / Automatization area

First quarter <ul style="list-style-type: none">• Linear calculus• Physics• Electricity and magnetism• Computing tools• Productive processes• Dimensional elements• English I• Oral and written expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Mathematic functions• Basic chemistry• Electric circuits• Hydraulic and pneumatic systems• Analog electronics• Engine control I• English II• Sociocultural education II
Third quarter <ul style="list-style-type: none">• Differential calculus• Statistics and probability• Thermodynamics• Programmable logical controllers• Digital electronics• Mechanical systems I• Integrated subjects I• English III• Sociocultural education III	Fourth quarter <ul style="list-style-type: none">• Integral calculus• Material structure and properties• Industrial instrumentation• Electronic circuits analysis• Digital devices• Programming language• Analog devices• English IV• Sociocultural education IV
Fifth quarter <ul style="list-style-type: none">• Integrated subjects II• Visual programming• Integration of automatic system• Microcontrollers• Virtual instrumentation basis• Control systems• English V• Oral and written expression II	Sixth quarter <ul style="list-style-type: none">• Internship

Engineering

Mechatronics

Seventh quarter <ul style="list-style-type: none">• Applied calculus• Industrial electricity• Computer assisted design• Virtual instrumentation basis• English I• Time management	Eight quarter <ul style="list-style-type: none">• Applied differential equations• Engine control• Mechanical automation• Mechanical design I• English II• Work organization and planning
Ninth quarter <ul style="list-style-type: none">• Statistics Process control• Automatic control• Project administration• Mechanical systems• Mechanical design II• English III• High-performance team leading	Tenth quarter <ul style="list-style-type: none">• Advanced logical control• Flexible manufacturing systems• Programmable digital devices• Integrated subjects• English IV• Business negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Graduate profile

It is the professional capable of developing automation and control projects, through the design, administration and application of new technologies to satisfy the needs of the productive sector.

Técnico Superior Universitario (Associate Degree)

Syllabus / Flexible manufacturing system area

First quarter <ul style="list-style-type: none">• Linear calculus• Physics• Electricity and magnetism• Computing tools• Productive processes• Dimensional elements• English I• Oral and written expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Mathematic functions• Basic chemistry• Electric circuits• Hydraulic and pneumatic systems• Analog electronics• Engine control I• English II
Third quarter <ul style="list-style-type: none">• Differential calculus• Statistics and probability• Thermodynamics• Programmable logical controllers• Digital electronics• Mechanical systems I• Integrated subjects I• English III• Sociocultural education III	Fourth quarter <ul style="list-style-type: none">• Integral calculus• Material structure and properties• Mechanical drawing• Manufacturing process I• Material mechanics• Robotics• English IV• Sociocultural education IV
Fifth quarter <ul style="list-style-type: none">• Integrated subjects II• Machine dynamic• Computer assisted manufacturing• Manufacturing processes II• Flexible manufacturing• Manufacturing process control• English V• Oral and written expression II	Sixth quarter <ul style="list-style-type: none">• Internship

Lateral egress:

Technical engineering in industrial robotics.

Técnico Superior Universitario (Associate Degree)

Business development logistics and transport area

He is the professional able to manage the process of goods and services sales through strategies, techniques and commercial tools to contribute to the client satisfaction and company development, as well as the paperwork for purchases and supplies according to the organization necessities, policies and procedures.

Also, he is in charge of the coordination of the purchase traffic while designing the logistic system of distribution to assure its arrival in time and manner.

He will be able to work in companies dedicated to national and international supplying transport, goods and services distribution and commercialization, as well as working in organization those that offer logistic operation and outsourcing and even in his own company.

Syllabus / Business development and innovation engineering

Seventh quarter <ul style="list-style-type: none">• Business statistics• Economy for business• Purchase management• Corporative law• English I• Timing management	Eight quarter <ul style="list-style-type: none">• Financial management• Strategies for new business• Human capital directions I• Corporate creativity• English II• Work planning and organization
Ninth quarter <ul style="list-style-type: none">• Innovation techniques• Administrative control system• Corporate sales strategies• Integrated subjects I• Logistics• English III• Direction of high performance teams	Tenth quarter <ul style="list-style-type: none">• Financial engineering• Corporate development• Human capital direction II• Organizational reengineering• Integrated subjects II• English IV• Corporate negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Graduate profile

He is the professional able to design commercial plans according to the organization capabilities, to improve its competitiveness in the market, as well as support the corporate development through the human and financial capital optimization, for the organization strengthening.

Técnico Superior Universitario (Associate Degree)

Industrial Maintenance

It is the professional able to manage maintenance activities by means of master plans to ensure operation and contribute to the company productivity. It is also his/her responsibility to monitor the replacement, or manufacture of electromechanical system parts in machinery, equipment and industrial networks distribution using standards to keep the system in optimal conditions.

Syllabus / Industrial maintenance

First quarter <ul style="list-style-type: none">• Linear algebra• Basic chemistry• Introduction to maintenance• Safety and environment• Information technologies• Staff management• English I• Oral and written expression I• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Mathematical functions• Physics• Electricity and magnetism• Maintenance management• Maintenance quality• Industrial drawing• Methods and work systems• Costs and budgets• English II
Third quarter <ul style="list-style-type: none">• Differential calculus• Probability and statistics• Thermodynamics• Electrical systems• Machinery and mechanisms• Analog electronic• Integrated subjects I• English III• Sociocultural education II	Fourth quarter <ul style="list-style-type: none">• Integral calculus• Structure and material properties• Electrical machine• Industrial services networks• Digital electronics• Programming principles• Hydraulic and pneumatic systems• English IV• Sociocultural education III
Fifth quarter <ul style="list-style-type: none">• Electrical installations• Thermal machinery• Manufacturing process maintenance• Robotics and automatization• Material engineering• Integrated subjects II• English V• Oral and written expression II• Sociocultural education IV	Sixth quarter <ul style="list-style-type: none">• Internship

Industrial maintenance engineering

Seventh quarter <ul style="list-style-type: none">• Industrial statistics• Maintenance and operation protocol• Tribology• Elective course I (TPM principles)• English I• Time management	Eight quarter <ul style="list-style-type: none">• Applied differential equations• Destructive test• TPM and RCM techniques• Integrated subjects I• English II• Work planning and organization•
Ninth quarter <ul style="list-style-type: none">• Strategical management for maintenance• Predictive mechanical maintenance• Automatic system and industrial networks• English III• High performance staff management	Tenth quarter <ul style="list-style-type: none">• Non-destructive tests• Visualization and control processes• Integrated subjects II• Elective course (Management strategies)• English IV• Business negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Graduate profile

Professional capable of optimize maintenance activities and operational equipment conditions through techniques and reliability tools to increase the equipment efficiency and reduce maintenance costs as a way to achieve sustainability and competitiveness.

As well as to decide maintenance strategies through the analysis of financial, economical, technological and human factors.

Técnico Superior Universitario (Associate Degree)

TSU + ENGINEERING 2 degrees in 3 years 8 months

Accounting

It is the professional integrally trained, capable of evaluating financial operations in the economic field by applying the norms of financial information, and correctly making decisions that can optimize resources.

Syllabus / Accounting

First quarter <ul style="list-style-type: none">• Mathematics I• Information technology I• Civil rights• Basic accounting• Administration foundations• English I• Oral and written expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Statistic• Information technology II• Commercial law• Intermediate accounting• Labor law• Economy• English II• Sociocultural education II
Third quarter <ul style="list-style-type: none">• Financial mathematics• Company accounting• Advanced accounting• Introduction to tax laws• Analysis and interpretation of financial statements• Quality• Integrated subjects I• English III• Sociocultural education III	Fourth quarter <ul style="list-style-type: none">• Audit fundamentals• Cost accounting I• Financial management• Budgets• Taxation of liable people• Foreign commerce• English IV• Sociocultural education IV
Fifth quarter <ul style="list-style-type: none">• Financial auditing• Cost accounting II• Legal persons taxes• Project financial evaluation• Wages and salaries• Integrated subjects II• English V• Oral and written expression II (Spanish)	Sixth quarter <ul style="list-style-type: none">• Internship

Certified Public Accountant

Seventh quarter <ul style="list-style-type: none">• Financial structure• Special accountings• Legal persons tax simulator• English VI• Time management	Eight quarter <ul style="list-style-type: none">• Capital structure• Legal persons tax simulator• Government accounting• English VII• Work planning and organization
Ninth quarter <ul style="list-style-type: none">• Costs and stocks management• Tax simulator of legal persons non-lucrative• Government auditing• Financial evaluation• Integrated subjects I• Wages and salaries• English VIII• High performance equipment direction	Tenth quarter <ul style="list-style-type: none">• Tax auditing• Taxing defense seminar• Cost administration for decision making• Integrated subjects II• Integrated subjects III• Human resources administration I• English IX• Company bargaining
Eleventh quarter <ul style="list-style-type: none">• Internship	

Graduate profile

The public accountant is the professional who will be able to improve the efficiency and profitability of enterprises, as well as planning, and advising on accounting, financial and tax matters, supported by the use of vanguard software and tools.

This professional is characterized by his/her positive attitude in favor of the economic entity, independence of criterion, personal responsibility, integrity and an ethical sense.

Técnico Superior Universitario (Associate Degree)

Business development logistics and transport area

He is the professional able to manage the process of goods and services sales through strategies, techniques and commercial tools to contribute to the client satisfaction and company development, as well as the paperwork for purchases and supplies according to the organization necessities, policies and procedures.

Also, he is in charge of the coordination of the purchase traffic while designing the logistic system of distribution to assure its arrival in time and manner.

He will be able to work in companies dedicated to national and international supplying transport, goods and services distribution and commercialization, as well as working in organization those that offer logistic operation and outsourcing and even in his own company.

Syllabus / Business development logistics and transport area

First quarter <ul style="list-style-type: none">• Mathematics• Enterprise environment• Management• Business computing I• Marketing fundamentals• Quality• English I• Oral and written expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Business statistic• Business computing II• Consumer study• Purchase• Budget• Sales paperwork• English II• Sociocultural education II
Third quarter <ul style="list-style-type: none">• Applied mathematics to transportation• Business logistics introduction• Basis of transportation• Strategic marketing• Selling strategies• Warehouse management• Integrated subjects I• English III• Sociocultural education III	Fourth quarter <ul style="list-style-type: none">• International logistics I• National commerce (trading)• Handling of materials• Logistics geography and infrastructure• Examination and maintenance of transportation equipment• Information technologies in logistics• English IV• Elementary French• Sociocultural education IV
Fifth quarter <ul style="list-style-type: none">• International logistics II• Passengers transportation• Performance indicators in logistics• Integrated subjects II• International commerce (trading)• English V• Business French• Business English• Oral and written expression II (Spanish)	Sixth quarter <ul style="list-style-type: none">• Internship

Syllabus / Business development and innovation engineering

Seventh quarter <ul style="list-style-type: none">• Business statistics• Economy for business• Purchase management• Corporative law• English I• Timing management	Eight quarter <ul style="list-style-type: none">• Financial management• Strategies for new business• Human capital directions I• Corporate creativity• English II• Work planning and organization
Ninth quarter <ul style="list-style-type: none">• Innovation techniques• Administrative control system• Corporate sales strategies• Integrated subjects I• Logistics• English III• Direction of high performance teams	Tenth quarter <ul style="list-style-type: none">• Financial engineering• Corporate development• Human capital direction II• Organizational reengineering• Integrated subjects II• English IV• Corporate negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Graduate profile

He is the professional able to design commercial plans according to the organization capabilities, to improve its competitiveness in the market, as well as support the corporate development through the human and financial capital optimization, for the organization strengthening.

Técnico Superior Universitario (Associate Degree)

Network and telecommunications area

Is the professional capable of implementing and administering telecommunications networks and computer services that guarantee the optimal management of information of the organizations, as well as implementing telecommunications links that satisfy the communication needs of the organizations.

Computer systems area

Is the professional capable of implementing software applications through programming techniques, considering the requirements of the organization to streamline their processes, in addition to providing technical support to computer equipment, operating systems and local networks according to the technical needs that ensure optimum Functioning of its computer resources.

Syllabus / Network and telecommunications area

First quarter <ul style="list-style-type: none">• Logical thinking skills development• Office IT• Technical support• Programming methods• Networking principles• English I• Oral and written expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Mathematical thinking skills development• Programming• Data bases• Analysis and system design principles• Local networks• English II• Sociocultural education II
Third quarter <ul style="list-style-type: none">• Informatics function management• Web apps development• OS (operating Systems)• Integrated subjects I• Data network toggling• Data network commuting• Telecommunication applied math• English III• Sociocultural education III	Fourth quarter <ul style="list-style-type: none">• Telecommunicating systems I• WAN networks• Analogical systems• Server management I• English IV• Sociocultural Education IV
Fifth quarter <ul style="list-style-type: none">• Project management• Telecommunication systems II• Digital systems• Server management II• Integrated subjects II• English V• Oral and written expression II (Spanish)	Sixth quarter <ul style="list-style-type: none">• Internship

Syllabus / Information Technologies Engineering

Seventh quarter <ul style="list-style-type: none">• Mathematics applied to IT• Elective course• Economics engineering• Apps programming• Business processes model• English VI• Time management	Eight quarter <ul style="list-style-type: none">• IT project management I• Data bases for apps• Convergent networks• IT quality systems• English VII• Work planning and organization
Ninth quarter <ul style="list-style-type: none">• IT project management II• Web applications development• Integrated subjects I• Elective course II• English VIII• High performance staff management	Tenth quarter <ul style="list-style-type: none">• Applied statistics• IT systems audit• Information safety• Elective course• Integrated subjects II• English IX• Business negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Graduate profile

It is the professional capable to lead IT related projects in order to contribute to the productivity and strategy objectives achievements, by the appropriate methodologies, beside assessing systems in order to stablish remedial actions and organization innovation by the application of new technologies.

Técnico Superior Universitario (Associate Degree)

Human resources administration

It is the professional with solid academic training, is able to evaluate the current and future financial situation through projection and analysis skills. In order to optimise the organization resources, to formulate planning strategies according to the organization needs and its environment to achieve planned goals and manage human capital according to the structure, needs and normativity to reach the organization goals.

Syllabus / Human Resources Administration

First quarter <ul style="list-style-type: none">• Informatics• Statistics• Accounting• Foundations managements• English I• Oral and written expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Accounting II• Planning strategies• Administrative procedures• Marketing fundamentals• Financial statements analysis• English II• Sociocultural education II
Third quarter <ul style="list-style-type: none">• Theory and organizational development• Human capital management• Finance planning• Integrated subjects I• Labor law• Position analysis• English III• Sociocultural education III	Fourth quarter <ul style="list-style-type: none">• Human capital management• Human capital development I• Payroll and salaries• Social security and social welfare• Human capital integration• English IV• Sociocultural education IV
Fifth quarter <ul style="list-style-type: none">• Organization and quality control• Human capital development II• Payroll and salaries• Occupational safety and health• English V• Oral and written expression II (Spanish)• Integrated subjects II	Sixth quarter <ul style="list-style-type: none">• Internship

Syllabus / Development and business innovation

Seventh quarter <ul style="list-style-type: none">• Business statistics• Business economics• Purchasing management• Labor law• English I• Time management	Eight quarter <ul style="list-style-type: none">• Financial management• Business strategies• Human capital management• Business creativity• English II• Planning and work organization
Ninth quarter <ul style="list-style-type: none">• Innovation strategies• Control management systems• Corporative sales strategies• Integrated subjects I• English III• High performance management	Tenth quarter <ul style="list-style-type: none">• Financial management• Business development• Human capital management II• Organizational development• Organizational reengineering• Integrated subjects II• English IV• Business negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Graduate profile

The professional will be able to design business plans according to the company's needs. In order to improve its competitiveness in the market as well as to provide support the business development through an optimus financial and human capital to consolidate company.

Técnico Superior Universitario (Associate Degree)

Administration area

Administration and evaluation projects

It is the professional

With a solid academic education, proficient to evaluate the current and future financial situation of the organization to optimized the resources, is able to develop a strategic planning according to the needs and the environment of the company. Evaluates and suggests projects, investment programs and action plans for new production units and ongoing enterprises, through the application of techniques and financial and market methods to attend the organization needs and the region's economic development.

Syllabus / Administration area / Administration and evaluation projects

First quarter <ul style="list-style-type: none">• Informatics• Statistics• Accounting I• Principles of administration• English I• Oral and written expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Accounting II• Strategic planning• Administrative procedures• Principles of marketing• Analysis and interpretation of financial statements• English II• Sociocultural education II
Third quarter <ul style="list-style-type: none">• Theory and organizational growth• Administration of working capital• Financial planning• Integrated subjects I• Applied economics to business• Local and regional growth I• Market research• English III	Fourth quarter <ul style="list-style-type: none">• Informatics applied to business• Administration of projects I• Local and regional growth II• Technical study• Financial study• Production systems• English IV• Sociocultural education IV
Fifth quarter <ul style="list-style-type: none">• Quality• Administration of projects II• Commercialization• Financial economic evaluation• Business advisory• Integrative course II• English V• Oral and written expression II (Spanish)	Sixth quarter <ul style="list-style-type: none">• Internship

Engineering

Business growth and project management

Seventh quarter <ul style="list-style-type: none">• Research seminar• Applied math• Business diagnosis• Information management• English VI• Time administration	Eight quarter <ul style="list-style-type: none">• Legal organization status• Advisory application and design• National financial system• English VII• Job organization and planning
Ninth quarter <ul style="list-style-type: none">• Organizations management• Marketing management• Financial management• Integrated subjects I• English VIII• Management of high quality equipment	Tenth quarter <ul style="list-style-type: none">• Strategic management• Financing application• Integrated subjects II• Administrative audit• English IX• Business negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Graduate profile

The engineer in business growth and project management is the professional with strategic thinking directed to results, encourages and promotes the creation of new projects and business, which contribute to the economic and business growth.

The engineer is known by its positive attitude and entrepreneur spirit, with the ability of negotiating, willing to work independent, in team work and multidisciplinary.

Técnico Superior Universitario (Associate Degree)

Paramedic

TSU + ENGINEERING
2 degrees in 3 years and 8 months

It is the professional capable of coordinating and providing pre-hospital care and to rescue victims based on scene evaluation, by means of techniques and protocols corresponding to the applicable normativity, to preserve victims' functions and lives from the scene until the reception unit; moreover, the student will be able to coordinate the emergency care and prevention of safety and hygiene risks, through statistic tools and terrestrial emergency unit operations to contribute in order to preserve victims' lives and for the improvement in occupational health.

First quarter <ul style="list-style-type: none">• Chemistry• Mathematics• Anatomy• Exploratory technique• Electromedic equipment management• Initial physical conditioning• English I• Oral and written expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Bio-chemistry• Physiology• Physics• Vital support protocols• ER management I• Intermediate physical conditioning• English II• Socio-cultural education II
Third quarter <ul style="list-style-type: none">• Research Methodology• Information technology• Prehospital support in trauma• Physiopathology• ER management II• Violence scenes management• Advanced physical conditioning• English III• Sociocultural education III	Fourth quarter <ul style="list-style-type: none">• Emergency communication• Emergency physiology• Rescue techniques• Industrial safety I• Operative coordination• Physical training I• Integrated subjects I• English IV• Sociocultural education IV
Fifth quarter <ul style="list-style-type: none">• Emergency communication• Emergency physiology• Rescue techniques• Industrial safety I• Operative coordination• Physical training I• Integrated subjects I• English IV• Sociocultural education IV	Sixth quarter <ul style="list-style-type: none">• Internship

Bachelor's degree

Civil protection and emergencies

Graduate profile

It is the professional capable of coordinating the operation of emergency services and civil protection based on the analysis of the risks of agents and disturbing phenomena, intervention plans and actions, administrative tools and applicable regulations, to reduce morbid-mortality and the economic, social and ecological impact.

Seventh quarter <ul style="list-style-type: none">• Physics and material properties• Disaster anatomy• Rescuing and searching• Civil protection administration• English VII• Time administration	Eight quarter <ul style="list-style-type: none">• Physical chemistry and dangerous material• Statistics and probability• Emergencies• Risk analysis• English VIII• Planning and organization of work
Ninth quarter <ul style="list-style-type: none">• Risk analysis II• Community intervention in disaster situations• Logistics and civil protection• Planning and risk management I• Strategic planning• English IX• Leadership of high risk teams	Tenth quarter <ul style="list-style-type: none">• Civil protection training• Urban and environmental planning topics• Planning and risk management II• Integrated subjects• Civil protection simulation• English X• Business negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Técnico Superior Universitario (Associate Degree)

Business Development Marketing Area

It is the professional capable of managing the sales process through strategies, techniques, tools, and the know-how to contribute to the development of the organization. This alumnus is also able to manage supplies acquisition and control through company's procedures and policies to control inventories and stock, ensuring availability through the design of marketing strategies and identification of business opportunities for national and international strengthening of organizations.

Syllabus / Business Development Marketing Area

First quarter <ul style="list-style-type: none">• Math• Business Environment• Administration• Information Technologies for Business I• Fundamentals of Marketing• Quality• English I• Oral and Written Expression I (Spanish)• Sociocultural education I	Second quarter <ul style="list-style-type: none">• Business Statistics• Information Technologies for Business II• Consumer Studies• Acquisitions• Budgets• Sales Management• English II• Sociocultural Education II
Third quarter <ul style="list-style-type: none">• Finance• Sales Strategies• Stock Management• Integrated subjects I• Market Research I• Strategic Marketing• Integral Marketing Media• English III• Sociocultural education III	Fourth quarter <ul style="list-style-type: none">• Business Planning• Market Research II• Marketing Blending• Advertisement Production I• International Business• English IV• Sociocultural education IV
Fifth quarter <ul style="list-style-type: none">• Strategic Marketing Planning• Exports Plan• E-Commerce• Advertisement Production II• Human Relations• Integrated subjects II• English V• Oral and written Expression II (Spanish)	Sixth quarter <ul style="list-style-type: none">• Internship

Engineering in business development

We aim at training specialists able to design commercial plans according to the organization's capability, in order to improve its competitiveness in the market as well as to help business development throughout optimization of human and financial capital and to help consolidate the organization.

SYLLABUS / Engineering in business development

Seventh quarter <ul style="list-style-type: none">• Business Statistics• Business Economics• Shopping Management• Corporate Law• English VI• Time Management	Eight quarter <ul style="list-style-type: none">• Finance Management• New Business Strategies• Human Resources Management I• Business creativity• English VII• Planning and Organization of Projects
Ninth quarter <ul style="list-style-type: none">• Innovation Strategies• Management Control Systems• Corporate Sales Strategies• Integrated subjects I• Logistics• English VIII• High Performing Teams Management	Tenth quarter <ul style="list-style-type: none">• Financial Engineering• Business development• Human Resources Management II• Organization's Reengineering• Integrated subjects II• English IX• Business Negotiation
Eleventh quarter <ul style="list-style-type: none">• Internship	

Graduate profile

It is the professional capable of designing business plans according to the capabilities of the organization, to improve its competitiveness in the market; as well as to support business development through the optimization of financial and human capital, for the consolidation of the organization