

UNIVERSIDAD AUTONOMA DE TAMAULIPAS

UNDERGRADUATE PROGRAMS

CAMPUS	PROGRAM	OUTCOME	GRAD
Nuevo Laredo	Safety , health and enviroment degree	The Bachelor in Safety, Health and Environment is a professional that serves society and organizations, applying in their work knowledge, skills and abilities that allow them to have a comprehensive vision and attitude in the prevention, recognition, evaluation and control of the factors of the working environment , security, environmental health and administrative management, before public and private institutions.	3
	Administration	The Administration is a trained professional to promote the development of public and private organizations translated into greater productivity and competitiveness, through the application of the different organizational functions: administration, finance, personnel, marketing and operations including a social responsibility approach (which includes economic, social and environmental approach)	98
Reynosa	Security and Environmental Engineer	The Security and Environmental Engineer is a multidisciplinary person involved in solving problems for Environment and Security (local, regional, national and international). It also performs procedures to comply with applicable laws and regulations, allowing companies to operate with high performance, productivity and quality; creating new approaches embedded in programs of local, regional and national sustainable development	93
	Production Systems Engineer	Train qualified professionals in the area of manufacturing engineering which can operate, improve and implement integrated systems optimizing the use of resources within a framework of sustainable development professionals .	44
	Chemical Engenieer	The Chemical Engineer is the professional responsible for designing, managing, optimizing, controlling and managing industrial processes, in order to transform raw materials into useful products for society, protecting the environment .	74
	Industrial Engineer	Industrial Engineers are distinguished by their concern for the impact their activities have in the improvement of the quality of life for the society , developing the economic potential of their entity, and respecting the environment , with strong support for sustainable development .	108

Matamoros	Safety , health and environment degree	The Bachelor in Safety, Health and Environment is a professional that serves society and organizations in particular as they are those of transformation and services, applying in their work knowledge, skills and abilities that allow them to have a comprehensive vision and attitude efficient in the prevention, recognition, evaluation and control of the factors of the working environment , security, environmental health and administrative management, before public and private institutions.	11
	Ecology and Sustainable Development	To train professionals with an academic preparation, socially committed to human values capable of planning, analyzing, interpreting the socioeconomic problems of their state, regional, national and international environment ; to be leader in the different scenarios where they are developed.	0
	Renewable Energy Engineer	With solid engineering fundamentals the graduate of this program has the skills and competences to design, develop and evaluate renewable energy systems with special emphasis on solar, wind and biomass energy. Including a sustainable development approach.	0
	Veterinary Clinic Zootecnista	To train professionals to identify and solve the problems involved in animal health and agricultural productivity, providing strategies for action that influence the production of animal species useful to man, through the knowledge of an appropriate management of productive techniques , the application of preventive medicine and capacity in the diagnosis, treatment and control of animal diseases, using as main research tool for such purposes, all this in a context of preserving a balance in the ecosystem, in a reflective, ethical, scientific and humanistic framework. The Veterinarian Zootecnista Veterinarian can perform in each of the following areas or dependencies:	126
	Agricultural Engineer	Professionals capable of development in the areas of agricultural production, scientific and technological research and technology transfer related to the current problems of the agricultural sector in the region and Mexico under sustainable principles for using natural resources. It is a valuable element for teamwork, with the basis for promotion and strategic management of resources, allowing you to manage and deliver quality services under the principles of sustainable development of ecosystems. Makes efficient use of natural resources, to increase agricultural and forestry production, with a vision of sustainability.	34

Victoria

<p>Environmental Sciences</p>	<p>The aim of this program is to train professionals who have the knowledge to the application or development of techniques, technologies or laws concerning the environment. Focused on preserving Planets earth resources thourg a sustainable development vision.</p>	<p>29</p>
<p>Sociology</p>	<p>To train professionals in the areas of sociology who interpret and evaluate in a critical and analytical way the social reality and promote the transformation in different environments of the regional, national and international scope, with capacities to elaborate diagnostic studies, design social, economic, political and social projects showing ethical values, social responsibility (which includes economic, social and environmental approeach) and respect.</p>	<p>32</p>
<p>Licenciado en Economía y Desarrollo Sustentable</p>	<p>To train professionals with an academic preparation, socially committed to human values capable of planning, analyzing, interpreting the socioeconomic problems of their state, regional, national and international environment; be a leader in the different scenarios where they develop sustainable projects.</p>	<p>0</p>
<p>University Higher Technician in administration of energy companies</p>	<p>To train and develop technical professionals in organizations of the energy sector, with social responsibility and care of the environment, with analytical and creative capacity in the areas of financial management, human capital and supply chain, to participate in the making of congruent decisions in time, space and form in changing and globalized environments, in accordance with the values that regulate their performance in the labor market.</p>	<p>0</p>
<p>Turism</p>	<p>Train competent professionals in the disciplines that converge in the tourism sector, so that in a committed, responsible and enterprising manner they contribute through management, planning, marketing and sustainable development to the social, cultural and economic progress of public and private organizations in a global, national and regional framework of tourism.</p>	<p>44</p>
<p>Administration</p>	<p>The Administration is a trained professional to promote the development of public and private organizations translated into greater productivity and competitiveness, through the application of the different organizational functions under sustainable principles : administration, finance, personnel, marketing and operations with social responsibility (which includes economic, social and environmental approeach).</p>	<p>154</p>

	Social Work	It is to train professionals competent in the exercise of Social Work, committed to sustainable development and the improvement of the quality of life of the human being, through intervention, generation and application of knowledge with values, human sense, service attitude, leadership with social responsibility, <u>oriented towards internationalization.</u>	224
Mante	Agricultural Engineer	Professionals capable of development in the areas of agricultural production, scientific and technological research and technology transfer related to the current problems of the agricultural sector in the region and Mexico under sustainable principles for using natural resources.	87
	Industrial Biochemistry Engineer	The Industrial Biochemistry Engineering program, through a student-centered educational model, has as its mission to train professionals with knowledge, skills, aptitudes and values that apply the principles and methods of science and technology to contribute to the solution of problems in the industrial sector promoting the sustainable development of the country.	51
	Architect	Architecture graduates have the ability to develop urban-architectural projects, to ensure environmental, social, cultural and economic sustainable development. They develop a creative vision for sustainable architecture required by the society.	156
	Interior Architect and habilities	The professional graduated from our «Degree in Interior Architecture and Habitability» possesses the knowledge to provide creative, functional and innovative solutions to the habitable environment of man in which he applies elements and basic standards of design, technical, aesthetic, environmental , psychological, social and economic , in order to improve the quality of life of users, exercising ethical values with a responsible attitude towards the field of work performance.	0
	Construction Management	Our graduated professional will know and act in the field of construction, from a scientific, multidisciplinary perspective, which will apply his knowledge in construction, administration, supervision of buildings, innovative techniques for the development of sustainable projects , exercising leadership with a responsible and creative attitude	0
	Civil Engineer	Civil Engineers analyze geographic data, indicators, resources, economic and social trends in a region to identify, plan, develop and implement infrastructure projects that promote sustainable development.	168

Tampico	Industrial and Systems Engineer	To train professionals in the areas of analysis, design, modeling and improvement of production systems and services, to support productivity and problem solving with a systemic approach, in organizations integrated by people, processes, materials, equipment, information and technology; with the capacity to innovate, develop and apply methodologies and tools to ensure the best performance of the systems related to the production and administration of goods and services, within a framework of safety and sustainability , aimed at <u>minimizing operating costs</u> .	0
	Senior university technician in port administration	To train professionals in the administration with capacities for the identification, formulation, administration, evaluation, management, operation of productive projects and technological development, of investment and administrative processes in any organization; through the quality educational program, based on professional competencies, that foster positive attitudes towards work and universal values and social responsibility (which include social, economic and environmental issues) that respond to the needs of the different sectors of our environment contributing to the socioeconomic development of Mexico, the State and our Region.	0
	Degree in tourism management and development (tourism)	The Graduate in Tourism Management and Development, proposes alternatives to optimize processes related to the competitive operation of companies and institutions of the tourism sector, according to national and international tourism policy. It has a high sense of social responsibility and values, which impact on sustainable tourism development in its environment.	0
Distance	University Higher Technician in Solar Energy	Train professionals in the area of alternative sources of energy that promote the development of innovative strategies related to the use of renewable energies in the public and private sector and that possess the necessary capacities for the installation and maintenance of energy generating equipment that will impact favorably to the environment, the society and the economy through efficient use and energy saving.	0

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POSTGRADUATE PROGRAMS

Nuevo Laredo	PhD Strategic Management	The PhD in Strategic Management aims to train future professionals capable of collaborate to in order to create knowledge and interpret and suggest innovative solutions to the problems of companies and organizations under ethical principles and social responsibility . (Social responsibility includes, economic, social and environmental issues)	9
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Reynosa	Master in Clinical Analysis aims	The Master in Clinical Analysis aims to train future professionals in clinical analysis with a broad ethical and humanistic sense with the ability to perform and interpret specialized clinical analysis, related to clinical and environmental microbiology, biochemistry, immunology contributing to the resolution of health problems.	9
	MSc in Gas and Oil Engineering	the aim of this course is to train professionals of excellence with high technical quality, social conscience, environmental and professional ethics . That contribute to the production, separation and exploitation of crude oil and natural gas, in products demanded by the energy sector with high commercial value.	0
	MSc in Safety and Work Environment	The aim of this Master is to train highly qualified professionals to respond to the demands and needs that exist in security and environmental area in the locality, region and country. In addition to promoting social awareness with quality standards, the improvement of working conditions in public and private companies and institutions, through the prevention of occupational hazards and protection of the environment .	15
	Doctor of Science in Biotechnology	The aim of this course is to train future professionals capable to develop and support research projects in Health Sciences that respond to problems and social needs in our region , as well as to carry out teaching and scientific diffusion work with high knowledge of environmental and food microbiology .	10
	Master in Human Resource Development	Train specialists with deep knowledge about the organizations and the different tools to develop the potential of their staff, capable to design strategic programs for performance improvement and to participate effectively in decision making to implement change processes based on an extensive and significant process of inquiry and reflection on current organizational theories, offer adequate responses to the challenges that the globalization and competitiveness present to organizations, in aspects such as the improvement in quality of life, social equity, human development, environmental balance and productivity.	28
	MSc in Ecology and Natural Resource Management	To train professionals through the implementation of doctoral-level curricula, so that they can develop original research that generates basic and applied knowledge useful for the solution of ecological problems at local, regional and national level in order to generate sustainable development.	0

Victoria	Master in Veterinary and Zootechnical Sciences	Students will be able to join the industry related to animal biotechnology implementation, animal health and the exploitation and use of natural resources. They may collaborate in production processes and resolve problems that restrain agricultural production with various areas of expertise and management of natural resources including sustainable processes.	7
	Master in Business Management	The Master of Business Administration degree, will have a comprehensive training in professional skills with the aim of developing abilities and management knowledge based on ethics and social responsibility (which includes economic, environmental and social perspective)	58
	Master of Science in Agricultural Systems and Environment	The aim of this course is to develop future professionals with an analytic and critical ability with social responsibility and ethics in order to generate and apply technology in development research with impact for several society sectors.	8
	MSc in Ecological Systems and Production	The purpose of this program is to cover the needs detected in the market studies related to agricultural sciences and environment, employers and producers. Including sustainable agricultural production systems.	7
	Master's in Political Science and Public Administration	To train teachers in political science and public administration who can design, implement and evaluate public policies and programs of social interest in order to develop sustainable communities, enrich the bodies of public administration with personnel of excellence, who can transmit and apply knowledge in an original way	19
	PhD in Ecology and Management of Natural Resources	The aim of this program is to train high level human resources with the capacity to generate and apply scientific and technological knowledge to identify, analyze and solve problems related to the ecology, conservation and management of natural resources, so that their practice, both private and governmental, impacts the society at the regional, state, national and international level.	6
	PhD Science: Farming Systems and Environment	The student will have the knowledge and skills to research, identify, manage, troubleshoot and impact agricultural production and livestock as well as in the processes of sustainable use of the environment, committed to the preservation and conservation of natural resources. They can also design, initiate and develop research programs through sustainable management of farming systems.	0
Mante	Master in Agro-Food Technology	Train teachers in science with solid theoretical and methodological training, generating knowledge related to the use and conservation of agri-food products, with a sustainable approach.	4

Tampico	Master in Architecture with emphasis in Architectural Design, Architectural	To train professionals capable of proposing the ideal options of Architectural Design of the built habitat to be rehabilitated and revitalized, applying the technological innovations in an integrating context and in a framework of respect to human and environmental factors.	12
	Master in Management	The aim of this program is to train professionals of different areas of knowledge so that at the end of their studies they are able to: as a high level executive take decisions that help companies to increase productivity effectively with ethics and social responsibility (which includes economic, social and environmental approach). Through the development of regional research in management, finances, marketing, economy and society.	33
	Master's in Political Science and Public Administration	To train teachers in political science and public administration who can design, implement and evaluate public policies and programs of social interest in order to develop sustainable communities, enrich the bodies of public administration with personnel of excellence, who can transmit and apply knowledge in an original way	44
	Master in Port Engineering	To carry out research works tending to solve regional problems related to the administration, finance, marketing, environment, economy and personnel.	13
	PhD in Architecture with emphasis on housing	The PhD program is oriented towards the training of experts, capable of generating knowledge for the comprehensive solution of complex housing problems. The aim of this program is to train future professionals in subjects related to design, construction, housing management as well as urban connections, sustainability and housing conservation.	0
	PhD in Strategic Business Management	The aim of this program is to train future professionals capable to define the new trends of Strategic Management in the theories of organization, administration, leadership and human factor and its values, in order to achieve sustainable viability; considering variables; such as globalization, cooperation through regional integration and the transition to a new management trend based on information and knowledge.	0

PhD Degree in Environment	The general objective of the Doctoral Program in Agricultural Systems and Environment Sciences is to train human resources in aspects of agricultural sciences, natural resources and the environment with the skills to develop and plan solutions to contemporary problems through the design and application of original research , capable of opening other frontiers of knowledge to ensure new opportunities in science and technology associated with agricultural production, conservation of the environment and natural resources .
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