



**Institutional  
Catalog  
2025-2028**

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**UPAEP**

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Specialty in Medicine and Surgery of Dogs and Cats  
Speciality in Orthodontics  
Speciality in Periodontology  
Specialty in Restorative Dentistry  
Specialty in Supplementation and Clinical Nutrition  
Specialty in Supplementation and Clinical Nutrition Online  
Master's Degree in Biotechnology  
Master's Degree in Biotechnology Online  
Master's Degree in Clinical Nutrition  
Master's Degree in Clinical Nutrition Online  
Master's Degree in Energy Management  
Master's Degree in Energy Management Online  
Master's Degree in Environmental Engineering and Sustainable  
Master's Degree in Environmental Engineering and Sustainable Online  
Master's Degree in Health Sciences  
Master's Degree in Healthcare Management  
Master's Degree in Healthcare Management Online  
Doctorate Degree in Biotechnology

## **College of Medical Sciences**

Bachelor's Degree in Medicine  
Bachelor's Degree in Nursing  
Bachelor's Degree in Social Work  
Bachelor's Degree in Social Work Online  
Specialty in Anesthesiology  
Specialty in Clinical Laboratory Science  
Specialty in Clinical Pathology  
Specialty in Critical Care Medicine  
Specialty in Critical Care Nursing  
Specialty in Diagnostic and Therapeutic Imaging  
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Specialty in Surgical Oncology  
Specialty in Urology  
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Master's Degree in Nursing Science  
Master's Degree in Public Health  
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## **College of Humanities and Social Sciences**

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Bachelor's Degree in Economics  
Bachelor's Degree in Educational Innovation Online  
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Bachelor's Degree in Humanities and Cultural Management  
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Bachelor's Degree in Languages, Teaching, and Cultural Diversity  
Bachelor's Degree in Law  
Bachelor's Degree in Law Tehuacán  
Bachelor's Degree in Law Online  
Bachelor's Degree in Pedagogy and Educational Innovation  
Bachelor's Degree in Philosophy  
Bachelor's Degree in Philosophy Online  
Bachelor's Degree in Political Science  
Bachelor's Degree in Psychology  
Bachelor's Degree in Psychology Online  
Bachelor's Degree in Psychology Semi-grounded  
Specialty in Digital Teaching  
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Master's Degree in Applied Economics  
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Master's Degree in Christian Social Leadership Online  
Master's Degree in Cognitive Behavioral Psychotherapy  
Master's Degree in Constitutional Law and Amparo  
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Master's Degree in Education and Human Development Online  
Master's Degree in Education Research  
Master's Degree in Education Research Online  
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Master's Degree in Educational Technology  
Master's Degree in Educational Technology Online  
Master's Degree in Family Orientation and Development  
Master's Degree in Family Orientation and Development Online  
Master's Degree in Family Sciences Online  
Master's Degree in Historical Studies  
Master's Degree in Language Teaching and Interculturality  
Master's Degree in Language Teaching and Interculturality Online  
Master's Degree in Leadership and Educational Management  
Master's Degree in Leadership and Educational Management Online  
Master's Degree in Mathematics Education  
Master's Degree in Mathematics Education Online  
Master's Degree in Pastoral Innovation Online  
Master's Degree in Pedagogy  
Master's Degree in Pedagogy Online  
Master's Degree in Political Science and Public Management  
Master's Degree in Tax Law  
Master's Degree in Work and Organizational Psychology  
Master's Degree in Work and Organizational Psychology Online  
Master's Degree in Work and Organizational Psychology Tehuacán  
Doctorate Degree in Education - research doctorate  
Doctorate Degree in Legal Sciences, Politics and Government - research doctorate  
Doctorate Degree in Legal Sciences, Politics and Government - research doctorate Online  
Doctorate Degree in Social Philosophy - research doctorate  
Doctorate Degree in Social Philosophy- research doctorate Online

## **College of Business**

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Bachelor's Degree in Accountancy and Senior Management  
Bachelor's Degree in Business Administration  
Bachelor's Degree in Business Administration Tehuacán  
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Bachelor's Degree in Business Intelligence  
Bachelor's Degree in Business Logistics  
Bachelor's Degree in Financial and Stock Market Management  
Bachelor's Degree in Gastronomy

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Bachelor's Degree in Hospitality and Tourism Management  
Bachelor's Degree in Hospitality Management Tehuacán  
Bachelor's Degree in International Trade and Logistics Online  
Bachelor's Degree in International Trade and Strategy  
Bachelor's Degree in Marketing  
Bachelor's Degree in Marketing Online  
Bachelor's Degree in Public Accounting Tehuacán  
Bachelor's Degree in Public Accounting Online  
Master's Degree in Administration  
Master's Degree in Administration and Strategic Management Online  
Master's Degree in Finance Tehuacán  
Master's Degree in Global Strategic Management  
Master's Degree in Global Strategic Management Online  
Master's Degree in Management and Finance  
Master's Degree in Management and Finance Online  
Master's Degree in Management and Marketing  
Master's Degree in Management and Marketing Online  
Master's Degree in Marketing and Digital Commercialization Online  
Master's Degree in Taxation Tehuacán  
Doctorate Degree in Management and Finance- Professional Doctorate  
Doctorate Degree in Management and Finance- Professional Doctorate Online  
Doctorate Degree in Management and Marketing- Professional Doctorate  
Doctorate Degree in Management and Marketing- Professional Doctorate Online  
Doctorate Degree in Organizational Management- Professional Doctorate  
Doctorate Degree in Organizational Management- Professional Doctorate Online

## **College of Engineering**

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Bachelor's Degree in Aerospace Engineering  
Bachelor's Degree in Automotive Design Engineering  
Bachelor's Degree in Bionics Engineering  
Bachelor's Degree in Civil Engineering  
Bachelor's Degree in Computer Science and Systems Engineering  
Bachelor's Degree in Data Science  
Bachelor's Degree in Industrial Engineering  
Bachelor's Degree in Industrial Chemistry Engineering  
Bachelor's Degree in Industrial Project Engineering Online  
Bachelor's Degree in Mechatronics Engineering  
Bachelor's Degree in Software Engineering  
Specialty in Construction Risk Engineering  
Specialty in Construction Risk Engineering Online

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Master's Degree in Construction Risk Engineering  
Master's Degree in Construction Risk Engineering Online  
Master's Degree in Data Science and Business Intelligence  
Master's Degree in Data Science and Business Intelligence Online  
Master's Degree in Integrated Manufacturing Systems and Quality Strategies  
Master's Degree in Logistics and Supply Chain Management  
Master's Degree in Logistics and Supply Chain Management Online  
Master's Degree in Mechatronics Engineering  
Master's Degree in Mechatronics Engineering Online  
Master's Degree in Strategic Planning and Technology Management  
Master's Degree in Strategic Planning and Technology Management Online  
Doctorate Degree in Information Technology- Professional doctorate  
Doctorate Degree in Information Technology- Professional doctorate Online  
Doctorate Degree in Logistics and Supply Chain Management- Research doctorate  
Doctorate Degree in Logistics and Supply Chain Management- Research doctorate Online  
Doctorate Degree in Mechatronics Engineering - Research doctorate  
Doctorate Degree in Mechatronics Engineering - Research doctorate Online  
Doctorate Degree in Strategic Planning and Technology Management - Research doctorate  
Doctorate Degree in Strategic Planning and Technology Management - Research doctorate Online

## **Academic Program Plan**

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CREA

Ser UPAEP es descubrir nuevas historias.



COMPañÍA ARTÍSTICA DE "TEATRO"

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# Message from the President

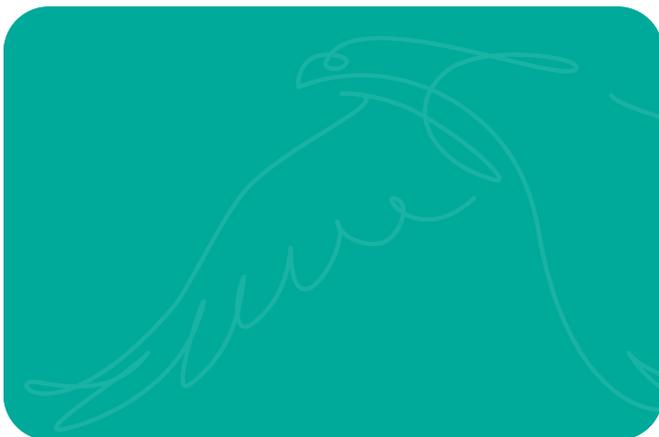
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At UPAEP, we believe that academic quality is a path we walk together. Since our beginnings, we have understood that building a university of excellence requires the participation of the entire community. Therefore, as part of our ongoing educational commitment, and after 50 years of existence, we developed an Integrative Quality Model that allows us to view the institution as a whole, reflect on what we do, and decide how to improve it day by day.

To move forward on this path of continuous improvement, the University establishes the parameters for development and self-assessment. Currently, we employ the Deming Cycle (Plan, Do, Check, Act). This cycle is essentially an orderly way of working: we first think about where we are headed, then we act, review results, and finally adjust and strengthen what is necessary. By repeating this process, the institution grows, learns, and adapts responsibly.

This approach permeates everything we do. In teaching, it drives us to educate leaders with an integral and human vision. Research encourages us to generate and share knowledge that transforms realities. Community engagement opens opportunities for collaboration with society and its various actors. And through institutional management, it provides the foundation for each area and person to work with clarity, order, and purpose.

However, quality is not sustained only by processes; people sustain it. Our students are the protagonists of their own development and agents of change in their communities. Our professors accompany, inspire, and bring the university experience to life while our administrative staff provides the essential support that ensures everything operates and advances.



The various evaluative exercises in which we have participated reflect this culture. For example, we highlight the institutional reaccreditation granted in 2025 by the prestigious FIMPES (National Accreditation Agency for Private Universities), which will remain valid for the next seven years. We also recognize the work carried out over the past three years, during which we obtained international accreditations for programs such as Film and Audiovisual Production, Veterinary Medicine and Animal Science, Medicine, as well as Software Engineering, Computer and Systems Engineering, Automotive Design, and Industrial Chemistry.

We are also undergoing the evaluation stages of the SEAES process (Higher Education Evaluation and Accreditation System), created by the governmental body responsible for assessing the quality of higher education institutions. As part of this process, three UPAEP community members were trained as peer evaluators by SEAES and participated in the co-evaluation stage.

In addition to the aforementioned efforts, we have been working toward an international institutional accreditation. Regarding this challenge we have set for ourselves, in 2024, the WASC Senior College and University Commission (WSCUC) granted UPAEP candidacy status for international accreditation for a maximum period of five years. This recognition reflects significant progress toward the full attainment of international educational quality standards. The University is currently working on implementing seven recommendations issued by WSCUC, with the goal of submitting a follow-up report and receiving the second evaluation visit in the spring of 2026. This international process has strengthened our institutional capacities, particularly in the systematization of learning assessment.

Thus, through the UPAEP Integrative Quality Model, we reaffirm our commitment to excellence, service, and the construction of the common good. Our daily effort and dedication serve as a constant reminder that together, we move the University forward and leave a meaningful and lasting impact.

**Dr. Emilio José Baños Ardavin**  
President of UPAEP University





## Mission, vision, and values

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In line with the University's identity and educational project, we have defined an institutional purpose that guides our educational, academic, and social actions. This purpose summarizes the *raison d'être* of our university community and guides the meaning of our daily work.

Therefore, our mission is summarized in the following institutional purpose:

**"To create currents of thought and educate leaders who transform society in the search for truth, integrating faith, science, and life."**

### Vision 2033:

We are a community that inspires and motivates the experience of Christian humanism in Mexico and the world, making the connection between faith and reason possible, attractive, and relevant.

### Values:

Our University, founded on the dignity of the human person who finds fulfillment in freedom and love, embraces the principles that structure life in society and posits them as guiding values, which it aspires to convert into virtues taught and witnessed daily: truth, solidarity, subsidiarity, justice, respect, and consistency.

## Our history

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On May 7, 1973, the inauguration ceremony for UPAEP was held at the former La Noria ranch. This event marked the culmination of eleven years of struggle by many students and professors at what was then the only university in Puebla. Amidst the serious ideological, social, and political conflict that occurred in the 1960s and early 1970s, the University of Puebla was assaulted by sectarian ideologies that attacked its autonomy and dignity, disrupting the order and values of Puebla society.

UPAEP was a response to the urgent need expressed by society to fill the great void that existed in higher education in the state. With its arrival, UPAEP breathed new life into the essence and mission of the university, which had been lost in the turmoil of the 1960s and early 1970s.

UPAEP was a response to society's urgent need to fill the enormous gap in higher education in the state. With its arrival, UPAEP breathed new life into the essence and mission of the university institution. Given that its foundation was the result of a joint effort by professors, students, institutions, and social organizations, we can affirm that UPAEP is a tangible manifestation of the spirit of solidarity in Puebla society.

UPAEP was founded with a clear and challenging mission, inspired by the ideals firmly held by its founders. It was built on transcendent values and the conviction of achieving high academic standards. The spirit of struggle and solidarity—evident from its inception—has remained constant throughout its five decades of existence. This has allowed for its tremendous growth and consolidation in all areas, thanks to the trust of society, which has seen and confirmed the results of its university work. Thus, UPAEP strives daily to fulfill its mission and purpose of educating transformative leaders with solid principles who contribute to transforming our society and guiding it toward greater and better achievements, in accordance with the enduring values of Truth, Goodness, Beauty, Justice, and Freedom.

# Institutional Development Plan 2033

In a world marked by rapid change, ideological challenges, and the urgent need to rebuild the social fabric, Catholic universities are called upon to play a fundamental role in educating people of integrity and promoting a culture based on truth and justice. More than an academic institution, the university is a space where faith and reason engage in dialogue to offer solid answers to contemporary dilemmas.

Aware of our identity and mission, those of us who are part of UPAEP must courageously commit to educating with excellence, sustaining dialogue between science and faith, and being witnesses of hope in our society.

The Vision for the next ten years must be based on defending the truth, promoting the common good, and developing a pedagogy focused on transformative leadership, ensuring that our institution continues to be a beacon of knowledge, service, and Christian humanism. Within this framework, we are working with the following aspects as guidelines, which served as background for defining Vision 2033.

## **1. Institutional Regulations of the Board of Trustees**

### *Challenges to undertake*

1. Integrate transformative leaders into society who build the common good.
2. Respond to major contemporary challenges and debates.
3. Build a culture of encounter, justice, and justice with others.

### *Guiding Lines*

1. Embrace our identity and founding spirit as pillars of institutional integrity.
2. Develop an outstanding faculty and researchers.
3. Strengthen a culture of excellence and accountability.

## **2. Strategic Objectives of the Presidency and its Management Network**

SO-1. Offer our students a path of personal transformation that makes them competent in their profession and opens the doors to a better future; and that, being aware of their

transcendent vocation, awakens their leadership and provokes, for life, a genuine enthusiasm for building the common good. (GL1)

SO-2. Create an interdisciplinary team of Catholic thought with researchers and professors who are recognized voices in the most relevant global forums and topics. (GL2)

SO-3. Form a new ecosystem of strategic relationships in Mexico and the world to impact sustainable development and the construction of justice and peace with a horizon of the common good from the ASSR logic. (GL3)

SO-4. Revitalize, in all aspects of the University's work, and especially among the younger generations, the institutional identity rooted in the dialogue between faith and reason, and the founding spirit that calls us to fight for the causes of Christian humanism. (GL1)

SO-5. Incorporate and develop talent to consolidate an exemplary faculty that promotes educational innovation, high-impact research, and integrative Christian human education in the most relevant areas of the common good. (GL2)

SO-6. Develop a culture of excellence in our community based on high personal preparation, a human outlook, and a spirit of service, with a focus on continuous improvement, accountability, and social responsibility, and accustomed to evidence-based decision-making. (GL3)

# Institutional Accreditations: **FIMPES and WASC**

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UPAEP participates in multiple national and international accreditation, evaluation, and recognition processes aimed at ensuring academic excellence.

**FIMPES** is the acronym that identifies the National Accreditation Agency for Private Universities, an institutional accreditation body with which UPAEP has been accredited since 1996. Subsequently, it has received reaffirmations of this initial accreditation in 2003, 2010, and 2017. In 2023, the process for the fourth reaffirmation began, for which the final ruling is expected to be received in November of this year. On all occasions, UPAEP has demonstrated full compliance with quality standards.

**WASC**(Western Association of Schools and Colleges Senior College and University Commission) is one of the most internationally recognized North American accrediting agencies, responsible for evaluating and ensuring the academic and institutional quality of universities in the United States and other countries. UPAEP seeks to obtain WASC accreditation in order to strengthen its commitment to educational excellence, continuous improvement, and internationalization.

This accreditation represents recognition of the high academic, management, and integrative education standards promoted by the university, in addition to opening up greater opportunities for global collaboration and academic mobility for its students and faculty.

# Academic Program Accreditations

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At the national level, UPAEP collaborates with quality assurance systems such as the Interinstitutional Committees for Higher Education Accreditation (CIEES) and with various accrediting bodies across professional fields to conduct self-assessment processes for undergraduate and graduate programs offered in grounded, online, and semi-grounded modalities.

To evaluate the graduation profile of undergraduate students, the university collaborates with the National Center for the Evaluation of Higher Education (CENEVAL) through the administration of the Undergraduate National Graduation Exam (EGEL) and by involving its academic staff in the technical committees responsible for designing and updating these assessments. This partnership also strengthens institutional standing and prestige, evidenced by the inclusion of UPAEP programs in the EGEL Plus Registry of High Academic Performance and by the recognition granted to graduates who receive the CENEVAL Award for Excellence in the EGEL.

Collectively, these organizations and initiatives embody UPAEP's commitment to continuous improvement, transparency in institutional processes, and alignment with both national and international standards of educational quality.

UPAEP maintains a strong and strategically oriented relationship with the National Postgraduate System (SNP), administered by the Science, Humanities, Technology, and Innovation Secretariat (SECIHTI). This federal agency is responsible for formulating, articulating, and coordinating Mexico's national policies in the fields of science, humanities, technology, and innovation. SECIHTI's mission is to position Mexico as a global leader in scientific and technological advancement through a human approach that prioritizes societal wellbeing.

Within this context, the SNP functions as a fundamental mechanism for the development of highly specialized human capital, the promotion of research, and the

strengthening of high-quality postgraduate programs across the nation. Through the SNP, SECIHTI establishes policy frameworks, issues public calls for participation, and grants scholarships that foster the consolidation of graduate programs with both academic excellence and social relevance.

In alignment with these national objectives, UPAEP reaffirms its institutional commitment to academic quality, applied research, and innovation. The university ensures that its postgraduate programs adhere to the standards and guidelines established by the SNP and SECIHTI's broader policy directives.

This partnership provides UPAEP students with meaningful opportunities to contribute to the country's scientific and technological advancement, reinforcing the university's role as an institution dedicated to cultivating leaders with a human, scientific, and socially responsible vision.

## Rankings

The rankings evaluate key indicators, including academic reputation, employer reputation, student-faculty ratio, faculty with doctoral degrees, research citations, international network, and web impact. These parameters reflect not only institutional quality, but also the relevance of programs and the strength of the faculty and researchers. Our presence in these international rankings enables us to compare our performance with that of leading institutions, identify areas for improvement, and communicate our achievements to society, the academic community, and prospective students.

On the other hand, the Rating System offers a more integrative evaluation through a detailed audit that assigns stars based on performance in different areas. UPAEP, in its second participation in 2024, has obtained outstanding ratings: 5 stars in Teaching, Employability, Internationalization, Academic Development, Art and Culture, and Social Responsibility; as well as four stars in Facilities, Program Strengths (Medicine), and Institutional Strengths. This recognition validates the quality of education, social relevance, and commitment to the integrative education of its students.

For UPAEP, participating in these systems not only highlights institutional achievements, but international ranking and rating systems also represent a strategic tool for strengthening visibility, credibility, and continuous improvement.



# General Description of the **Admission Process**

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The admission process at UPAEP is conducted entirely online and is designed to ensure transparency, fairness, and accessibility for all those interested in joining our educational community.

Through a digital platform, applicants can register, upload the required documentation, and track each stage of the process, from the initial application to enrollment. This procedure applies to all educational levels offered by the institution.

The process begins when applicants create an account and complete their application on the admissions platform. Then, they must compile their digital file by uploading the required documents, which are listed on the institutional website according to the educational level and program format. As part of the process, applicants take an admission exam, and the Admissions Committee reviews each file based on the established criteria. As a final step, applicants receive an official email with the admission decision and, if accepted, the instructions needed to complete their enrollment at the university.

The admission exam is a key component of the selection process. Designed to identify each applicant's skill level and ensure that admission is carried out objectively and in accordance with the university's academic standards.

The instruments used are the intellectual property of LEXIUM, a platform specialized in supporting educational institutions in mapping and strengthening learning skills. They are designed to thoroughly assess the cognitive and socio-emotional skills essential for academic success and student retention, providing a detailed diagnostic report by skill.



The assessments measure cognitive skills such as reasoning, learning, decision-making, reading, mathematics, verbal abilities, and planning; social-emotional skills, focused on intrapersonal, interpersonal, life, and communication skills; and, for on-campus bachelor's programs, an additional test that assesses attitudes and behaviors related to integrity, including honesty, fairness, righteousness, and truthfulness. All assessments are completed electronically, using multiple-choice questions, and require approximately three hours to complete.

# Scholarships and Financial Support

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**Regular Scholarship (UPAEP Impulse):** This is the financial aid granted by UPAEP to students with high academic performance who lack the necessary economic resources to pursue a graduate program or an undergraduate degree.

**Level: Undergraduate and Graduate**

**General requirements:** minimum GPA of 8.5, financial need.

**Scholarship amount:** up to 60%.

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**Cultural Scholarship (Espíritu Cultural):** Scholarship awarded to recognize the artistic performance, commitment, and discipline of students who actively participate in any of the representative groups of the UPAEP Fine Arts and Cultural Projection Office.

**Level: Undergraduate**

**General requirements:** completion of at least two academic terms, active participation in a Fine Arts workshop or representative group, and a minimum GPA of 8.5.

**Scholarship amount:** up to 100%.

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**Sports Scholarship (Espíritu Deportivo):** This scholarship is granted by UPAEP to students with proven athletic ability whose participation in their respective discipline encourages sports practice among other students and has a strong impact on the university's representative teams.

**Level: Undergraduate and Graduate**

**General requirements:** attendance at the sport's tryout session, minimum GPA of 8.

**Scholarship amount:** up to 100%.

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**Excellence Scholarship (Espíritu de Excelencia):** This scholarship is provided by UPAEP to new students who, due to their outstanding high school academic performance, are recognized by their school administration through an agreement with the university.

**Level: Undergraduate**

**General requirements:** being the top student of their graduating class, and an overall GPA of 9.5 or higher.

**Scholarship amount:** 100 %. For GPAs starting at 9.2, the scholarship amount can be up to 80%.

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**Research Scholarship (Espíritu de Investigación):** This scholarship aims to support graduate students or new students through their participation in research,

innovation, and scientific dissemination projects in different fields of knowledge.

**Level: Undergraduate and Graduate**

**General requirements:** submission of a research protocol (either in an initial phase or already developed), evidence of participation in formal research events, and a minimum GPA of 9.

**Scholarship amount:** up to 80%.

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**Leadership Scholarship (Espíritu de Liderazgo):** This scholarship provides financial aid to high school graduates who are outstanding young leaders with a commitment to their community, capable of driving social improvement and development, and possessing a strong sense of service.

**Level: Undergraduate**

**General requirements:** submission of evidence of social impact projects, minimum GPA of 8.5.

**Scholarship amount:** up to 90%.

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**Identity Scholarship (Espíritu Transformador):** This scholarship is offered to students entering undergraduate programs in Economics, Philosophy, Political Science, Pedagogy and Educational Innovation, and Communication and Digital Media.

**Level: Undergraduate**

**General requirements:** an interview with the program chair and a minimum GPA of 8.5.

**Scholarship amount:** 50%.

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**Identity Scholarship (Espíritu Transformador):** This scholarship is offered to students entering graduate programs in Political Science and Public Management, Administrative Law, Tax Law, Organizational Management, and Strategic Communication Management.

**Level: Graduate**

**General requirements:** interview with the program chair and a minimum GPA of 8.5.

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**External Sponsorship Scholarship (Programa Aliados):** This scholarship is applicable when a student receives financial support from companies or individuals to help cover tuition costs. The university, in turn, provides the company or individual with a tax-deductible receipt.

**Level: Undergraduate and Graduate**

**Abelardo Sánchez Scholarship:** This is the support granted by UPAEP to students who have received the Abelardo Sánchez Recognition during their Graduation Ceremony and wish to pursue a graduate degree.

**Benefit:** The award grants an 85% scholarship.

Scholarship information is available on the institutional website: [www.upaep.mx/becas](http://www.upaep.mx/becas)\*

\*All available scholarship calls and announcements are published in this section.

## UPAEP Integrity System

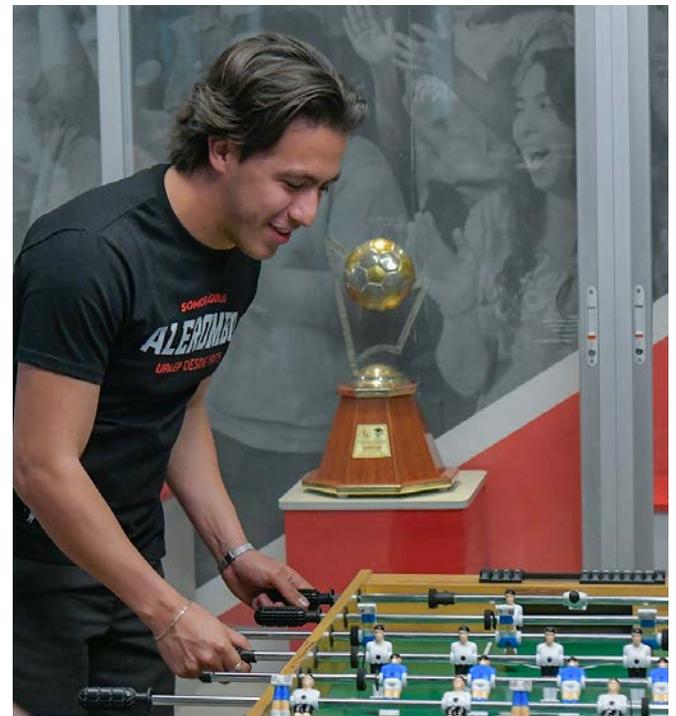
The UPAEP Integrity System is an initiative created at UPAEP as a safe and trusted space to listen to, address, and resolve concerns from the university community and employees regarding any issue that makes them feel uncomfortable or puts their wellbeing at risk.

Our commitment is to address all complaints and present dignified and fair solutions for all involved.

To achieve this, we base our actions on the protocols for the prevention, handling, and punishment of sexual harassment and misconduct, as well as behavior contrary to the UPAEP Code of Ethics and Conduct.

The UPAEP Code of Ethics and Conduct (CEC) is the document that outlines the values our institution enshrines in its Mission Statement and the behavior expected of all members of the university community.

Similarly, the Integrity Committee is responsible for analyzing the different cases and, if the complaint exceeds the University's jurisdiction, it refers the victim to the appropriate legal authorities.



The information is available on the institution's website:  
[www.upaep.mx/sistema-de-integridad](http://www.upaep.mx/sistema-de-integridad)

The Code of Ethics and Conduct can be consulted at the following link:  
[https://upaep.mx/images/eventos/2020/sistemadeintegridad/codigo\\_de\\_etica\\_conducta\\_2020.pdf](https://upaep.mx/images/eventos/2020/sistemadeintegridad/codigo_de_etica_conducta_2020.pdf)

# Requirements For Degree Granting

To begin the degree-granting process, students must have passed each and every course in the corresponding curriculum, have no debts, and have completed the documentation record correctly.

Students must approach the program chair to register their degree-granting request. Within five business days, all of the above will be ratified, and students will be notified of any pending requirements or the authorization of the exam. Once the exam has been authorized, the program chair will be able to register the official date. Students must then submit the graduation requirements (documents and photographs) at least ten business days prior to the registered date. On the registered date, one hour before the exam, students must collect the examination papers to be signed by the examiners.

For students enrolled in distance learning programs or who do not reside in Puebla, documents may be sent by mail.

If it is a degree-granting program based on grade point average, there is no formal ceremony; the process is completed when the documents are submitted to SU1.

Once the Academic Records Office has received the examination papers signed by the examiners, the estimated time for receiving the degree from the Ministry of Public Education is 6 to 8 months.

## Types of Degrees

### Bachelor's degree:

- Thesis with dissertation defense. Mandatory for health programs.
- Professional experience report, with a professional examination in defense of the report.
- Minimum GPA of 9.0
- General knowledge examination
- By Master's degree studies. Only for programs with RVOE from the State of Puebla.

### Master's degree:

- Thesis with dissertation defense. Mandatory for health programs.
- Minimum GPA of 9.0
- By Doctorate studies. Only for programs with RVOE from the State of Puebla.

### Specialty:

- Thesis with dissertation defense. Mandatory for health programs.
- Minimum GPA of 9.0
- Doctoral degree:
- Thesis with dissertation defense.

The degree process can be consulted by following the route: <https://upaep.mx/estudiantes> -> Scroll down -> Servicios para el Estudiante -> "Titulación"

The regulations for degree granting can be consulted at: <https://upaep.mx/estudiantes> -> Log in with ID and password -> "Normatividad y Políticas" -> Search: "Reglamento de Titulación" / "Reglamento General para la obtención de Diploma"

# Infrastructure and Equipment

## Spaces for innovation, talent, and leadership

At UPAEP, every space is designed to foster talent, creativity, and academic development. With modern infrastructure equipped with cutting-edge technology, the University offers an environment where ideas are transformed into real projects.

## Spaces that invite you to create, imagine, and inspire

UPAEP has facilities that integrate technological innovation and real-world practices for professional training.

- **287,410.4 m<sup>2</sup> of land and 198,324.21 m<sup>2</sup> of construction.**
- **+180 laboratories specializing in various areas of knowledge.**
- **137,715 m<sup>2</sup> of green and sports areas.**

## Technology applied to learning

UPAEP's laboratories and specialized areas provide hands-on experiences with state-of-the-art equipment, enabling students to develop skills in real-world settings.



# Culture, Leadership, and Education

## Spaces for innovation, talent, and leadership

At UPAEP, every space is designed to foster talent, creativity, and academic development. With modern infrastructure equipped with cutting-edge technology, the University offers an environment where ideas are transformed into real projects.

## Libraries

### Spaces for knowledge and innovation

More than 700,000 books, 328 million digital resources, and a space designed for innovation, research, and knowledge transformation.

The Learning Resource Center (CRAI) facilitates access to millions of academic resources. It fosters creativity through its Makerspace, equipped with advanced technology, including 3D printers, virtual reality areas, and laser cutters.

### International library network

The UPAEP library provides access to extensive innovation resources and strengthens international collaboration networks. Participating in alliances such as the ODUCAL Library Network facilitates the exchange of ideas, learning, and unique opportunities for the growth of the university community.

- 328 million digital resources
- 721,000 e-books

## At UPAEP, education goes beyond the classroom

University life at UPAEP is strengthened by unique, meaningful experiences that promote transformative leadership, social relevance, and a sense of community. Clear examples of this include charity events, executive committees, student groups, and the University Encounter. This annual experience brings together students from different programs and challenges them to solve problems through games, challenges, and team activities, thereby developing leadership, problem-solving, and collaborative work skills.

### Art and culture: creativity that connects generations

At UPAEP, art and culture are essential to a well-rounded education. Through the Center for Artistic Expression (CREA) and the UPAEP Museum, students develop their talent, creativity, and social awareness.

The Arts Expression Center (CREA) offers dance, theater, music, and visual arts workshops for the entire community.

The UPAEP Museum connects students and communities through exhibitions, conferences, and cultural activities.

Pastoral de la Cultura is a space where the community strengthens its spiritual life through activities that invite reflection and a deep connection with God. One of the most emblematic is the pilgrimage to the Basilica of Guadalupe, where students, collaborators, and administrators walk more than 35 km on foot, strengthening a tradition that invites them to walk together in faith, dedication, and gratitude.



## University life fosters talent, creativity, faith, and leadership

Racing teams: innovation that drives knowledge.  
Representative teams: that develop engineering projects, putting their creativity and knowledge into practice in national and international competitions.

### UPAEP Sports

Since their first national championship in 1982, the UPAEP Eagles have won more than 70 titles in national competitions.

- Representative teams
- Athletics | Basketball | E-sports
- Swimming | Soccer | Taekwondo | Tennis
- 114 basketball tournaments
- 54 soccer tournaments
- 84 trophies

### Sports Complex: Promoting integral health

It is designed to strengthen body, mind, and spirit through movement. With first-class facilities, it promotes wellbeing, teamwork, and a passion for sport.

- Weight training area
- Volleyball
- Gaming rooms
- Cycling
- Basketball courts
- Professional soccer fields
- Contact sports
- Functional training
- Tennis, paddle tennis, and indoor soccer courts
- Indoor Olympic-size swimming pool



# Internationalization

## Global experiences through strategic partnerships and mobility programs around the world

Faculty Led | Bridge Program | Double Degree | Research Stays Volunteering | Summer Camps | Language Study

### • Partnerships with other universities

UPAEP connects its community with academic and research opportunities worldwide. With more than 500 partner universities, students have access to a range of initiatives, including exchanges, research stays, and dual degrees.

### • Internationalization on Campus: the world at UPAEP

This strategy allows students to enjoy global experiences without leaving campus.

Through webinars, global speakers, mirror classes, Collaborative Online International Learning (COIL), virtual exchanges, and international seminars, students interact with experts and academics from diverse cultures.

### • Internationalization in action

There are many opportunities for students to enrich their education in international contexts, from exchanges to volunteer work.

### • Global Summer:

Summers of knowledge without borders

For four weeks, international professors collaborate with UPAEP professors to teach undergraduate and graduate courses, creating a multicultural academic environment.

- Six weeks of classes and activities to promote interculturalism.
- Professors from around the world enrich this global experience.
- During the last period, 4,558 students had an internationalization experience on campus.
- 800 international mobility options through agreements and consortia.
- 2,557 people experienced Global Summer on campus.



# General Services

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At UPAEP, knowledge does not stay in the classroom: students, professors, and collaborators put it into action through various services that promote talent, develop transformative leadership, and generate a positive impact on society.

Each of these spaces is an opportunity to apply what has been learned, create real solutions, and contribute to the common good.

## Arombo

An academic restaurant that combines education and sustainability for students of gastronomy, administration, and nutrition. It functions as a laboratory for innovation and public service.

Phone: 222 226 6729

Email: restaurante.arombo@upaep.mx

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## Strategic Consulting

Provides integral support to companies and institutions seeking to improve their processes, grow, evolve, and consolidate their position in their sector.

Email: consultoriaestrategica@upaep.mx

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## Legal Office

This initiative, managed by the UPAEP Law School, offers free legal advice to individuals in vulnerable economic situations. It provides a range of free legal services encompassing various areas of law, including civil, family, commercial, labor, and criminal law.

Phone: 222 229 9400 Ext. 7151

Email: bufetejuridico@upaep.mx

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## Konector UPAEP

Entrepreneurship center offering tools and advice to small businesses. SBDC international certification and member of AMCDPE

Phone: 222 229 9400 Ext. 7079

Email: Konector@upaep.mx

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## Health and Applied Sciences

Quality medical care in medicine, nutrition, physical therapy, and psychology.

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## Integral Health Center

It is a space designed to offer high-quality medical care, integrating medicine, nutrition, physical therapy, and psychology with an ethical and human approach.

Its goal is to promote the health and wellbeing of the university community and the general public, combining the experience of professors and the education of undergraduate and graduate students.

The Integral Health Center offers care in various medical specialties, including cardiology, pediatrics, geriatrics, internal medicine, orthopedics, ophthalmology, and neurology, among others.

Services:

- Medical clinic
- Physical therapy clinic
- Psychology clinic
- Nutrition clinic
- Molecular diagnostics laboratory

Academic areas:

- 10 Laboratories at the Center for Clinical Skills Development and Assessment (CEDECC)
- 4 Physical therapy laboratories
- 5 Psychology laboratories
- 2 Nutrition laboratories

Phone: 222 309 9435

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## Dental Clinic

It is an integral part of the School of Dentistry, serving as both an academic and service center dedicated to providing high-quality care.

#### Services:

- Diagnostic
- Intraoral and extraoral X-rays
- Preventive and operative dentistry
- Prosthodontics
- Endodontics
- Oral surgery
- Emergency care

Specialties: orthodontics, periodontics, implantology, and restorative dentistry.

Phone: 222 229 9400 Ext. 7676 and 7523

Email: [clinicadeodontologia@upaep.mx](mailto:clinicadeodontologia@upaep.mx)

#### High Technology Services Center (CESAT)

It is a national benchmark in materials analysis, specialized consulting, and technological development, serving key sectors such as automotive, plastics, chemicals, construction, textiles, footwear, metalworking, agriculture, and the environment.

CESAT has more than 50 international reference methods (ISO, ASTM, DIN, among others) and is accredited by the Mexican Accreditation Entity A.C. (EMA).

Phone: 222 229 9400 Ext. 7640, 7647, and 7648

Email: [comercial.cesat@upaep.mx](mailto:comercial.cesat@upaep.mx)

#### Culture and Community

##### UPAEP Museum

A space dedicated to learning and dialogue through art and culture.

- 5 exhibition halls.
- 1 multipurpose room.
- 1 cultural forum with a capacity for 120 people.

##### Veterinary Hospital

It is an educational center and a reference point for highly specialized veterinary medicine. Designed to complement the education of students in the Bachelor's Degree in Veterinary Medicine and Animal Husbandry and the postgraduate degree in Medicine and Surgery for Dogs and Cats.

##### Infrastructure:

- Offices for general care and preventive medicine.
- Hospitalization areas for dogs, cats, and other animals.
- Digital radiography and ultrasound equipment.
- Fully equipped operating room.
- Clinical, pathological, and anatomopathological laboratories with state-of-the-art technology.
- Digital radiology and ultrasound services.
- Emergency and hospitalization services.

Phone: 222 229 94 00 Ext. 7616





# COLLEGE OF CREATIVE SCIENCES



# EDUCATIONAL OFFERINGS

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- Bachelor's Degree in Advertising Strategy and Creation
- Bachelor's Degree in Animation and Digital Arts
- Bachelor's Degree in Architecture
- Bachelor's Degree in Communication and Digital Media
- Bachelor's Degree in Communication and Digital Media / Tehuacán
- Bachelor's Degree in Design and Visual Innovation
- Bachelor's Degree in Film and Audiovisual Production
- Specialty in Construction Management and Administration
- Specialty in Construction Management and Administration Online
- Master's Degree in Innovation and Architectural Design
- Master's Degree in Innovation and Architectural Design Online
- Master's Degree in Strategic Communication and Innovation Management
- Master's Degree in Strategic Communication and Innovation Management Online / Semi-grounded



## Bachelor's Degree in Advertising Strategy and Creation

Educate students in advertising strategy and creation, with an ethical, human, and leadership vision, who solve advertising communication problems and generate positive impacts, as well as emotional bonds in society, through the design of strategic and creative advertising campaigns, to provide specific services to the productive, social, and governmental sectors, with a focus on the individual.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20200550

### Admission Profile

#### Knowledge

- Distinguishes the fundamentals of oral and written expression
- Identifies basic arithmetic concepts
- Recognizes the English language at an intermediate level

#### Skills

- Handles basic computer and internet packages
- Demonstrates oral and written skills
- Uses basic drawing to express ideas
- Observes their environment in detail
- Demonstrates creative skills

#### Attitudes

- Works collaboratively
- Shows sensitivity to contextual issues
- Acts with honesty, respect, and responsibility
- Recognizes the importance of electronic media
- Shows sensitivity to artistic expression

#### Professional Skills

- Creates strategic and creative advertising campaigns to apply advertising concepts, tools, and techniques

aimed at solving communication problems.

- Implements advertising campaigns in local, national, and international contexts to solve communication problems ethically in various sectors, with a focus on people.
- Proposes innovative models of entrepreneurship, collaboratively, to exercise transformative leadership.
- Employs research techniques and methods for the ethical application of advertising strategies that are tailored to client needs.

### Curriculum Map

The degree program curriculum comprises 58 courses, which are organized into core areas that represent the progression of courses throughout the curriculum. These core areas, in turn, are divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student education in line with the UPAEP profile. It has three curricular lines: human education, entrepreneurship, and languages.

**Basic Professional Core.** Focuses on elementary courses in the curriculum and is chosen for its multidisciplinary approach. It has three curricular lines: Fundamentals of Advertising, Art and Advertising, and Fundamentals of Marketing and Mathematics.

**Professional Core:** This core comprises courses specific to the area, providing students with disciplinary education. It has five curricular lines: Advertising Strategy, Advertising Production, Advertising Creativity, Marketing, and Advertising Creation and Legislation.

**Elective Core:** Students may choose two of the four existing lines: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core:** The purpose of this line is to develop the skills needed to prepare students for the completion and graduation phase of the academic program. It consists of one curriculum line: Research.



## Bachelor's Degree in Animation and Digital Arts

Educate students in Animation and Digital Art with an ethical and human approach who produce analog and digital animation projects with innovative stories and environments, through the application of creative processes based on observation, abstraction of forms, rhythms, and the use of technological tools, to communicate messages that inform, move, and persuade people in their context.

- Creates creative and innovative stories and environments for the development of viable and functional audiovisual projects that move different types of audiences.
- Uses analog and digital art techniques to achieve the ethical significance and persuasion of the story according to each type of audience.
- Produces animations with social, artistic, and commercial impact for television, film, and digital platforms that inform and persuade people with ethical meaning.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220547

### Admission Profile

#### Knowledge

- Distinguishes basic elements of shape, size, space, weight, and volume.
- Recognizes the fundamentals of oral and written expression.
- Describes the basic elements of communication.

#### Skills

- Observes their surroundings in detail.
- Illustrates ideas through drawing.
- Has a basic understanding of computers and the internet.
- Uses basic English.

#### Attitudes

- Sensitive to social issues in the environment.
- Appreciates artistic expression.
- Interested in reading, movies, animated series, and video games.
- Values creativity.

#### Professional Skills

- Plans the pre-production, production, and post-production stages of an animation project, working in multidisciplinary teams.

### Curriculum Map

The degree program curriculum comprises 55 courses, which are organized into core areas that represent the progression of courses throughout the curriculum. These core areas, in turn, are divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student education in line with the UPAEP profile. It has three curricular lines: human education, entrepreneurship, and languages.

**Basic professional Core.** This core focuses on elementary courses in the curriculum and is chosen for its multidisciplinary approach. It has five curricular lines: styles of expression, means of visual representation, fundamentals of animation, conceptualization, and digital foundations.

**Professional Core.** This includes courses specific to the area that provide students with disciplinary education. It has five curricular lines: Animation, Digital Animation, Narrative, Composition and Animation, and Animation Workshops.

**Elective Core.** Students may choose two of the four existing lines, which are: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** The purpose of this core is to develop the skills needed to prepare students for the completion and graduation phase of the academic program. It consists of one curricular line: Research.



## Bachelor's Degree in Architecture

Educate architects with a creative, ethical, and human vision who provide innovative solutions to the phenomenon of human habitation, using design methodologies, graphic expression, and communication tools in the architectural design process, integrating state-of-the-art construction procedures and socio-cultural, historical, environmental, and economic aspects to propose integrative architectural projects centered on people and their environment.

- Is aware of the importance of caring for the environment and civic engagement.

### Professional Skills

- Formulates action strategies in an architectural or urban project with socio-environmental commitment, applying skills in ideation, creation, innovation, and leadership.
- Develops cutting-edge architectural proposals for society as a whole, critically analyzing the social, cultural, economic, natural, historical, and heritage context.
- Strategically applies technical design processes and the integration of structural, construction, and service system technologies, as well as financial and legal conditions, as an integral whole in architectural projects within a national and international context.
- Communicates his/her proposed solutions to urban architectural problems by strategically applying manual and/or digital techniques of expression, presentation, and graphic representation.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252344

### Admission Profile

#### Knowledge

- Identifies basic drawing concepts.
- Recognizes basic concepts in mathematics and physics.
- Distinguishes general concepts in architectural history.

#### Skills

- Demonstrates creative ability.
- Shows an aptitude for perceiving three-dimensional spaces.
- Demonstrates observation, analysis, and synthesis skills.
- Shows a willingness to work collaboratively.
- Demonstrates communication skills.

#### Attitudes

- Appreciates the importance of independent learning.
- Demonstrates a commitment to service and a spirit of self-improvement.
- Is constantly seeking information that will help them in their tasks.
- Demonstrates empathy and creativity.
- Values the importance of honesty, consistency, and respect in their academic education.

### Curriculum Map

The undergraduate program's curriculum map includes preparatory courses, among which are University Life Accompaniment and Immersion, as well as four language courses that students will take based on the results of their English placement test.

Regarding the curricular courses, the academic program is organized into two cores—Basic Professional and Advanced Professional—and structured into four educational blocks:

**Institutional Core. UPAEP University Education:** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common Courses by Areas of Knowledge.** Defined by affinity areas within the college or by the combination of multiple colleges. It groups content that, by its nature, constitutes the foundation of professional education—courses typically placed in the first half of the academic program.

**Professional Core. Disciplinary Education.** Comprised of essential courses required to develop the graduate profile and corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Made up of four elective courses selected from twelve to fifteen options, which complement the preparation of future professionals and emphasize content from other



## Bachelor's Degree in Communication and Digital Media

Educate students in Communication and Digital Media with a critical, ethical, and human perspective, capable of designing, implementing, and evaluating integrative communication strategies through the efficient and creative use of physical and digital communication tools, in order to intervene in various fields with projects that contribute to strengthening the common good.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20252125

### Admission Profile

#### Knowledge

- Recognizes the sociocultural phenomena of the environment.
- Identifies the fundamentals of research.
- Distinguishes traditional media outlets.
- Recognizes the components of the digital ecosystem.

#### Skills

- Demonstrates oral and written communication skills.
- Manages information, communication, knowledge, and digital learning technologies.
- Uses different digital applications for content development.
- Proposes creative solutions to everyday problems.

#### Attitudes

- Is sensitive to artistic and sociocultural expressions.
- Shows interest in what happens in their environment in order to contribute to the common good.
- Values truth, respect, commitment, and solidarity.
- Shows interest in disseminating messages through different channels.

#### Professional Skills

- Creates messages based on written, oral, and non-

verbal skills grounded in analysis and applied research.

- Efficiently manages technologies to respond to the different communication needs and problems of various audiences.
- Integrally adapts messages to transmedia narratives while considering the target audience and the strengthening of the common good.
- Develops communication projects that integrate research and creativity processes for the design, implementation, and evaluation of communication strategies.
- Applies different communication approaches from an ethical, human, entrepreneurial, and leadership perspective in professional practice.

### Curriculum Map

The undergraduate program's curriculum map includes preparatory courses, such as University Life Accompaniment and Immersion, as well as four language courses that students will take based on the results of their English placement test and Mathematical Reasoning. Regarding curricular courses, the academic program is organized into two cores—Basic Professional and Advanced Professional—and structured into four educational blocks: **Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship. **Basic Professional Core. Common Courses by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, forms the foundation of professional education—courses typically located in the first half of the academic trajectory.

**Professional Core. Disciplinary Education.** Consists of essential courses required to develop the graduate profile and corresponding professional skills.

**Elective. Transdisciplinary Education.** Composed of four elective courses selected from twelve to fifteen options that complement the preparation of future professionals and emphasize content from other academic programs.



## Bachelor's Degree in Communication and Digital Media

Educate students in Communication and Digital Media who manage communication strategically and creatively in various public and private organizations, from a human and entrepreneurial perspective. They generate high-quality content, supported by the efficient use of digital communication tools, with the purpose of optimizing communication processes.

- Efficiently manages communication tools, tailoring them to the needs of the environment.
- Uses innovative tools for the design, strategy, and evaluation of communication projects.
- Applies communication skills in different fields, demonstrating written, oral, non-verbal, and interpersonal skills.
- Carries out communication activities based on new communication approaches with an ethical and human vision.
- Manages communication strategies that contribute to strengthening communication processes.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20192920

### Admission Profile

#### Knowledge

- Identifies the sociocultural phenomena of the environment.
- Distinguishes research techniques.
- Recognizes the main existing communication media.

#### Skills

- Demonstrates oral and written communication skills.
- Manages information and communication technologies.
- Actively observes daily communication situations.

#### Attitudes

- Is sensitive to artistic and cultural expressions, as well as to the problems of their environment.
- Values respect, commitment, and solidarity.
- Is interested in communication processes.

#### Professional Skills

- Creates communication messages based on analysis and research to implement strategies that generate impact and contribute to social improvement.
- Adapts content language to different communication platforms and target audiences.

### Curriculum Map

The undergraduate program's curriculum map comprises 61 courses, organized into core areas that represent the progression of courses throughout the curriculum. These are further subdivided into curricular lines or knowledge areas.

**Institutional Core.** Emphasizes student development in alignment with UPAEP's institutional profile. It contains four curricular lines: Computing, Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Groups of essential courses of the academic program are selected for their multidisciplinary nature. It includes five curricular lines: Basic Communication Tools, Communication Theories, Basic Techniques for Digital Media, Fundamentals of Audiovisual Media, and Journalism.

**Professional Core.** Includes discipline-specific courses that provide students with specialized education. It contains nine curricular lines: Approaches to Communication, Applied Communication Tools, Audiovisual Production, Organizational Communication, Communication and Society, Advanced Techniques for Digital Media, Marketing and Publicity, Entrepreneurship, and Disciplinary Area.

**Capstone Core.** Its purpose is to develop the skills required to prepare students for the final phase of the program and graduation. It is composed of two curricular lines: Integration and Research.



## Bachelor's Degree in Design and Visual Innovation

Educate students in Visual Innovation Design with an ethical and human perspective, who generate innovative visual discourses using intellectual and technological resources, as well as human-centered design processes aligned with people and their context, in order to solve problems of communication, interaction, and usability between individuals and visual communication systems.

- Manages visual innovation projects to ensure their functionality, feasibility, and successful implementation based on the target market's needs.
- Proposes solutions to communication, interaction, and usability problems between people and visual communication systems by designing innovative visual discourses.
- Carries out evaluation, research, and validation processes of visual communication systems to generate evidence-based innovation..

Modality: Grounded  
Campus: Puebla | RVOE Code: 20220711

### Admission Profile

#### Knowledge

- Recognizes the basic foundations of oral and written expression.
- Describes the basic elements of communication.

#### Skills

- Observes their environment in detail.
- Uses basic computer and internet applications.
- Illustrates ideas through drawing.
- Uses the English language at a basic level.

#### Attitudes

- Is sensitive to social problems in their environment.
- Appreciates cultural expressions.
- Shows interest in reading.
- Values creativity.

#### Professional Skills

- Diagnoses communication, interaction, and usability problems to support decision-making and project planning in design.
- Designs creative and innovative strategies for the development of visual prototypes, ethically considering their viability and usability.

### Curriculum Map

The undergraduate program's curriculum map comprises 56 courses, organized into core areas that represent the progression of courses throughout the curriculum. These are further subdivided into curricular lines or knowledge areas.

**Institutional Core.** Emphasizes student development in alignment with UPAEP's institutional profile. It contains three curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Groups of essential courses of the academic program are selected for their multidisciplinary nature. It includes five curricular lines: Styles of Expression, Means of Visual Representation, Fundamentals of Design, Fundamentals of Strategic Design, and Technological Foundations.

**Professional Core.** Includes discipline-specific courses that provide students with specialized education. It contains five curricular lines: Strategy and Innovation, Strategic Design Processes, Design Praxis, Technology for Design, and Enterprise Design.

**Elective Core.** Students may choose two out of four curricular lines: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Its purpose is to develop the skills required to prepare students for the final phase of the program and graduation. It consists of one curricular line: Research.



## Bachelor's Degree in Film and Audiovisual Production

Educate students in Film and Audiovisual Production who develop, produce, post-produce, and disseminate cinematographic and audiovisual works through the creation of integrative, reflective, and research-based projects within the audiovisual discipline, in pursuit of significant and humanizing social change for those who produce them.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20252133

### Admission Profile

#### Knowledge

- Distinguishes basic concepts of history, art, and literature of Mexico, the contemporary world, and cinema.
- Identifies the importance of film in terms of its social influence.
- Recognizes film works and current filmmakers, important for the development and identity of cinema.

#### Skills

- Demonstrates visual and auditory comprehension.
- Writes texts that communicate ideas effectively.
- Constructs articulate verbal discourse.
- Handles narrative forms—both sound-based and visual—in their environment, individually and collectively.
- Uses information, communication, knowledge, and digital learning technologies.

#### Attitudes

- Shows interest in conceiving, researching, and constructing stories.
- Acts with adaptability.
- Leans toward entrepreneurship.
- Demonstrates resilience and tolerance to frustration and criticism.

- Values the human person as a fundamental agent of social change.
- Appreciates collaborative work in artistic creation.
- Is sensitive and empathetic to their social environment.

#### Professional Skills

- Creates fiction and non-fiction stories with an ethical and human approach to provide audiences with meaningful experiences.
- Develops audiovisual content from concept to exhibition, fostering greater human awareness and the common good within their social environments.
- Successfully leads interdisciplinary teams in collaborative audiovisual projects that contribute to transformation toward the common good.
- Ethically and strategically evaluates the social environment to generate audiovisual projects.
- Professionally and artistically constructs audiovisual works with narrative character using specialized methodology.

#### Curriculum Map and Integrative Educational Trajectories

The undergraduate program's curriculum map includes preparatory courses, among them University Life Accompaniment and Immersion, and four language courses that students will take based on the results of their English placement test.

Regarding curricular courses, the academic program is organized into two cores—Basic Professional and Advanced Professional—and structured into four training blocks:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common Courses by Areas of Knowledge.** Defined by affinity areas within the college or by the combination of several colleges. It groups content that, by their nature, constitute the foundation of professional education—courses typically located in the first half of the academic trajectory.

**Professional Core. Disciplinary Education.** Consists of essential courses required to develop the graduate profile and corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Composed of four elective courses chosen from twelve to fifteen options, which complement the education of future professionals and emphasize content from other academic programs.



## Specialty in Construction Management and Administration

Educate specialists in Construction Management and Administration with an ethical and human perspective, who develop integrative architectural projects that are socially viable and relevant through the implementation of tools, methods, and concepts related to administration and management in construction processes, with the purpose of optimizing economic, human, technological, and natural resources.

Modality: Grounded

Campus: Puebla | RVOE Code: 20221181

### Admission Profile

Professionals in architecture and engineering with knowledge of construction and project administration.

### Knowledge

- Identifies basic concepts of construction and project administration.
- Recognizes the main regulatory frameworks related to construction and project administration.
- Identifies the primary regulatory bodies governing the construction industry.

### Skills

- Produces architectural representations in 2D and 3D.
- Demonstrates proficiency with technological tools for graphic representation.
- Manages administrative software such as Neodata and Opus.

### Attitudes

- Demonstrates an ethical attitude toward construction and financial processes.
- Values collaborative and proactive work.
- Is aware of the importance of self-managed learning in their educational process.

### Professional Skills

- Applies knowledge to the creation of new companies in the construction industry and/or the restructuring of existing ones for the benefit of society.
- Designs financial strategies in the construction industry in alignment with economic, social, and environmental realities.
- Proposes innovative strategies for construction management and administration to optimize the efficient use of economic, human, technological, and natural resources.

### Curriculum Map

The curriculum map of the specialty consists of 6 courses, structured into cores that represent the progression of courses throughout the academic program, and further divided into curricular lines or knowledge areas.

**Institutional Core.** Emphasizes student development in alignment with UPAEP's institutional profile. It contains one curricular line: Human Education.

**Basic Professional Core.** Groups of essential courses of the academic program, selected for their multidisciplinary relevance. It includes one curricular line: Construction Administration.

**Professional Core.** Includes discipline-specific courses that provide students with specialized education. It contains one curricular line: Construction Management and Innovation.

**Capstone Core.** Its purpose is to develop the skills required to prepare students for the final phase of the program and graduation. It consists of one curricular line: Research.



## Specialty in Construction Management and Administration

Educate specialists in Construction Management and Administration with an ethical and human perspective, who develop integrative architectural projects that are socially viable and relevant through the implementation of tools, methods, and concepts related to administration and management in construction processes, with the purpose of optimizing economic, human, technological, and natural resources.

Modality: Online

Campus: Puebla | RVOE Code: 20221181

### Admission Profile

Professionals in architecture and engineering with knowledge of construction and project administration.

### Knowledge

- Identifies basic concepts of construction and project administration.
- Recognizes the main regulatory frameworks related to construction and project administration.
- Identifies the primary regulatory bodies governing the construction industry.

### Skills

- Produces architectural representations in 2D and 3D.
- Demonstrates proficiency with technological tools for graphic representation.
- Manages administrative software such as Neodata and Opus.

### Attitudes

- Demonstrates an ethical attitude toward construction and financial processes.
- Values collaborative and proactive work.
- Is aware of the importance of self-managed learning in their educational process.

### Professional Skills

- Applies knowledge to the creation of new companies in the construction industry and/or the restructuring of existing ones for the benefit of society.
- Designs financial strategies in the construction industry in alignment with economic, social, and environmental realities.
- Proposes innovative strategies for construction management and administration to optimize the efficient use of economic, human, technological, and natural resources.

### Curriculum Map

The curriculum map of the specialization consists of 6 courses, structured into cores that represent the progression of courses throughout the academic program, and further divided into curricular lines or knowledge areas.

**Institutional Core.** Emphasizes student development in alignment with UPAEP's institutional profile. It contains one curricular line: Human Education.

**Basic Professional Core.** Groups of essential courses of the academic program, selected for their multidisciplinary relevance. It includes one curricular line: Construction Administration.

**Professional Core.** Includes discipline-specific courses that provide students with specialized education. It contains one curricular line: Construction Management and Innovation.

**Capstone Core.** Its purpose is to develop the skills required to prepare students for the final phase of the program and graduation. It consists of one curricular line: Research.



## Master's Degree in Innovation and Architectural Design

Educate master's-level professionals in Architectural Design Innovation, with an ethical and human approach, who can develop cutting-edge and avant-garde architectural projects through the application of technological innovations applicable to contemporary design, in order to address current spatial demands and contribute to the sustainable integral development of human beings and their context.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241829

### Admission Profile

Architects with knowledge of architectural design and skills in the use and management of digital design tools.

### Knowledge

- Distinguishes advanced concepts of architectural design.
- Identifies the main digital tools used in architectural design.
- Recognizes modern and contemporary architectural styles.

### Skills

- Demonstrates analytical, reflective, and synthetic skills for solving architectural problems.
- Handles technological tools for graphic representation.
- Promotes the social, environmental, and sensory impact of architecture on users and their surroundings.
- Interprets texts in English at an intermediate level.

### Attitudes

- Shows an ethical attitude in solving architectural projects.
- Values collaborative and proactive teamwork.
- Is aware of the importance of self-directed learning in their educational process.

### Professional Skills

- Develops sustainable, innovative, and comprehensive architectural design projects that address current social, economic, and environmental needs.
- Evaluates and creatively integrates sustainable, technological, economic, and marketing elements into innovative architectural projects in response to contextual needs.
- Proposes innovative and sustainable strategies in architectural design, seeking the optimization of economic, human, technological, and natural resources

### Curriculum Map and Integrative Educational Trajectories

The master's curriculum map is organized into two components: **The Basic Professional Core** and the **Advanced Professional Core**.

The program has a total duration of two years and consists of 12 courses, structured in fourteen-week, four-month terms. As an integral part of the program, students must complete a signature course—an elective focused on human education. Available options include: **Transformational Leadership, Ethics and Social Doctrine, and Pedagogy of the Common Good**.

Additionally, the curriculum includes **four basic professional courses**. Within professional education, there are two elective lines, each **composed of three courses**, which may belong to the same program or be selected from other master's degrees. Among the elective options offered are the **Innovation, Update, and Integration Seminars**.

The curriculum also includes **two interdisciplinary elective courses**, giving priority to those offered by other master's programs that contribute to the development of the graduate profile. The remaining two courses correspond to the **research area**, which supports the student's successful degree completion.



## Master's Degree in Innovation and Architectural Design

Educate master's-level professionals in Architectural Design Innovation, with an ethical and human approach, who can develop cutting-edge and avant-garde architectural projects through the application of technological innovations applicable to contemporary design, in order to address current spatial demands and contribute to the sustainable integral development of human beings and their context.

Modality: Online

Campus: Puebla | RVOE Code: 20241829

### Admission Profile

Architects with knowledge of architectural design and skills in the use and management of digital design tools.

### Knowledge

- Distinguishes advanced concepts of architectural design.
- Identifies the main digital tools used in architectural design.
- Recognizes modern and contemporary architectural styles.

### Skills

- Demonstrates analytical, reflective, and synthetic skills for solving architectural problems.
- Handles technological tools for graphic representation.
- Promotes the social, environmental, and sensory impact of architecture on users and their surroundings.
- Interprets texts in English at an intermediate level.

### Attitudes

- Shows an ethical attitude in solving architectural projects.
- Values collaborative and proactive teamwork.
- Is aware of the importance of self-directed learning in their educational process.

### Professional Skills

- Develops sustainable, innovative, and integrative architectural design projects that address current social, economic, and environmental needs.
- Evaluates and creatively integrates sustainable, technological, economic, and marketing elements into innovative architectural projects in response to contextual needs.
- Proposes innovative and sustainable strategies in architectural design, seeking the optimization of economic, human, technological, and natural resources.

### Curriculum Map and Integrative Educational Trajectories

The master's curriculum map is organized into two components: The **Basic Professional Core** and the **Advanced Professional Core**.

The program has a total duration of two years and consists of 12 courses, structured in fourteen-week, four-month terms. As an integral part of the program, students must complete a signature course—an elective focused on humanistic formation. Available options include: **Transformative Leadership, Ethics and Social Doctrine, and Pedagogy of the Common Good**.

Additionally, the curriculum includes **four basic professional courses**. Within professional education, there are two elective lines, each **composed of three courses**, which may belong to the same program or be selected from other master's degrees. Among the elective options offered are the **Innovation, Update, and Integration Seminars**.

The curriculum also includes **two interdisciplinary elective courses**, giving priority to those offered by other master's programs that contribute to the development of the graduate profile. The remaining two courses correspond to the **research area**, which supports the student's successful degree completion.



## Master's Degree in Strategic Communication and Innovation Management

Educate Master's graduates in Strategic Communication Management and Innovation with an ethical, human, and leadership-oriented vision, capable of solving communication problems in the social, productive, and governmental sectors. This is achieved through the development of critical, strategic, and creative thinking, as well as the implementation of business, technological, and digital tools, to contribute to economic and solidarity-based growth with the human person as the core focus.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220809

### Admission Profile

#### Knowledge

- Recognizes basic concepts of business, public relations, and administration.
- Analyzes scientific dissemination texts in other languages.
- Distinguishes information and communication technologies (ICT).

#### Skills

- Demonstrates general culture and awareness of current global affairs.
- Shows strong analytical and synthesizing skills.
- Applies observation and active listening to identify needs.

#### Attitudes

- Is proactive in problem-solving.
- Respects diverse points of view as opportunities for personal enrichment that benefit the social construct.
- Values the importance of collaborative work.
- Upholds cultural identity values.
- Appreciates different artistic and cultural expressions in local, regional, national, and international contexts.
- Acts ethically, responsibly, and respectfully.

#### Professional Skills

- Develops strategic, creative, and innovative advertising communication messages in diverse contexts, using appropriate media, codes, and tools for the development of advertising projects that support sound decision-making.
- Employs technologies, communication techniques, and research methods to gather and analyze information for contribution, dissemination, and outreach within the discipline.
- Ethically advises clients on solving advertising communication problems across various sectors, contributing to global economic growth and solidarity-based development.

#### Curriculum Map

The curriculum map of the master's program comprises 12 courses, organized into a learning core that represents the academic progression throughout the curricular project. These courses are further divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student education aligned with UPAEP's institutional profile. It includes one curricular line: *Human Education*.

**Professional Core.** Contains discipline-specific courses that provide the student with specialized professional education. It includes three curricular lines: *Direction and Strategy*, *Public Relations and Business*, and *Professional Topics*.

**Elective Core.** The student may choose **one** of the two available curricular lines: *Solidarity Strategic Creativity, Innovation, and Entrepreneurship*.

**Capstone Core.** Its purpose is to develop the skills required for students as they move into the final phase and graduation process of the academic program. It includes one curricular line: *Practical Works/Thesis*.



## Master's Degree in Strategic Communication and Innovation Management

Educate Master's graduates in Strategic Communication Management and Innovation with an ethical, human, and leadership-oriented vision, capable of solving communication problems in the social, productive, and governmental sectors. This is achieved through the development of critical, strategic, and creative thinking, as well as the implementation of business, technological, and digital tools, to contribute to economic and solidarity-based growth with the human person as the core focus.

Modality: Online / Semi-grounded  
Campus: Puebla | RVOE Code: 20220809

### Admission Profile

#### Knowledge

- Recognizes basic concepts of business, public relations, and administration.
- Analyzes scientific dissemination texts in other languages.
- Distinguishes information and communication technologies (ICT).

#### Skills

- Demonstrates general culture and awareness of current global affairs.
- Shows strong analytical and synthesizing skills.
- Applies observation and active listening to identify needs.

#### Attitudes

- Is proactive in problem-solving.
- Respects diverse points of view as opportunities for personal enrichment that benefit the social construct.
- Values the importance of collaborative work.
- Upholds cultural identity values.
- Appreciates different artistic and cultural expressions in local, regional, national, and international contexts.
- Acts ethically, responsibly, and respectfully.

#### Professional Skills

- Develops strategic, creative, and innovative advertising communication messages in diverse contexts, using appropriate media, codes, and tools for the development of advertising projects that support sound decision-making.
- Employs technologies, communication techniques, and research methods to gather and analyze information for contribution, dissemination, and outreach within the discipline.
- Ethically advises clients on solving advertising communication problems across various sectors, contributing to global economic growth and solidarity-based development.

#### Curriculum Map

The curriculum map of the master's program comprises 12 courses, organized into learning cores that represent the academic progression throughout the curricular project. These learning cores are further divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student education aligned with UPAEP's institutional profile. It includes one curricular line: *Human Education*.

**Professional Core.** Contains discipline-specific courses that provide the student with specialized professional education. It includes three curricular lines: *Direction and Strategy, Public Relations and Business, and Professional Topics*.

**Elective Core.** The student may choose **one** of the two available curricular lines: *Solidarity Strategic Creativity, Innovation, and Entrepreneurship*.

**Capstone Core.** Its purpose is to develop the skills required for students as they move into the final phase and graduation process of the academic program. It includes one curricular line: *Practical Works/Thesis*.



# COLLEGE OF LIFE AND HEALTH SCIENCES



# EDUCATIONAL OFFERINGS

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- Bachelor's Degree in Agronomy Engineering
- Bachelor's Degree in Biotechnology Engineering
- Bachelor's Degree in Chemical Biology and Pharmacology
- Bachelor's Degree in Dental Surgery
- Bachelor's Degree in Environmental Engineering and Sustainable Development
- Bachelor's Degree in Nutrition
- Bachelor's Degree in Veterinary Medicine and Zootechnics
- Bachelor's Degree in Physiotherapy
- Specialty in Cardiovascular and Pulmonary Rehabilitation
- Specialty in Medicine and Surgery of Dogs and Cats
- Speciality in Orthodontics
- Speciality in Periodontology
- Specialty in Restorative Dentistry
- Specialty in Supplementation and Clinical Nutrition
- Specialty in Supplementation and Clinical Nutrition Online
- Master's Degree in Biotechnology
- Master's Degree in Biotechnology Online
- Master's Degree in Clinical Nutrition
- Master's Degree in Clinical Nutrition Online
- Master's Degree in Energy Management
- Master's Degree in Energy Management  
• Online
- Master's Degree in Environmental Engineering and Sustainable
- Master's Degree in Environmental Engineering and Sustainable Online
- Master's Degree in Health Sciences
- Master's Degree in Healthcare Management
- Master's Degree in Healthcare Management Online
- Doctorate Degree in Biotechnology



## Bachelor's Degree in Agronomy Engineering

Educate students in Agronomy Engineering with an ethical and human perspective, who actively, profitably, and sustainably contribute to agri-food production through the application of cutting-edge technological strategies, with social responsibility and commitment to the environment, in order to propose solutions to economic, social, and environmental problems related to production in their context.

Modality: Grounded

Campus: Puebla | RVOE Code: 20200017

### Admission Profile

#### Knowledge

- Identifies basic knowledge of Biological Sciences and exact sciences
- Distinguishes the characteristics of rural environments as centers of agri-food production.
- Recognizes the productive and economic potential of agricultural activities.

#### Skills

- Uses information and communication technologies for decision-making.
- Communicates effectively through verbal and written language.
- Manages the basic level of a second language.
- Works collaboratively and interdisciplinarily.

#### Attitudes and/or Values

- Shows ease in interacting with people in different settings.
- Adapts to various educational environments (laboratories, classrooms, agri-food production units, conferences).
- Respects nature and appreciates outdoor work.
- Shows interest in the rural and agri-food sector.

#### Professional Skills

- Applies processes of Edaphology, Botany, Biochemistry, Genetics, Physiology, Agrometeorology, and Animal and Plant Reproduction in agroecosystems.
- Produces plant- and animal-based food products with added value, profitably and sustainably, in intensive and extensive systems, through the use of appropriate technologies in both primary activities and agro-industrial processes.
- Develops administrative, commercial, and financial skills for agri-food sector companies, competitively at both national and international levels.
- Integrates principles of sustainability into agroecosystems to ensure the responsible use of natural, human, economic, technological, and material resources involved.

#### Curriculum Map

The curriculum map for the degree program comprises 65 courses, organized into cores that represent the progression of courses throughout the curriculum. These modules are divided into curricular lines or knowledge areas.

**Institutional Core.** Emphasizes the student's education under UPAEP's institutional profile. It includes three curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Includes essential multidisciplinary courses for the program. It consists of 6 curricular lines: Mathematics, Chemistry, Biology, Soils, Agricultural Systems, and Ecology.

**Professional Core.** Comprises specialized courses that provide disciplinary education. It includes six curricular lines: Water, Agricultural Safety, Vegetable Production, Business, Innovation and Technological Development, and Animal Production.

**Elective Core.** Students may choose two of the four available lines: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Aimed at developing skills for the final stage and graduation process of the academic program. It includes two curricular lines: Integration and Research.



## Bachelor's Degree in Biotechnology Engineering

Educate Biotechnology Engineers with an ethical and human perspective who innovate in the areas of production, research, development of strategies, biotechnological products, quality control, and data science within industries and institutions related to Biotechnology. Graduates will acquire skills in the management, development, and implementation of technologies derived from biological systems, living organisms, and their byproducts, grounded in life sciences and engineering, to offer sustainable solutions oriented toward the common good.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252132

### Admission Profile

#### Knowledge

- Recognizes basic concepts of biological sciences, chemical sciences, and mathematics.
- Identifies basic structural comprehension in English.

#### Skills

- Demonstrates curiosity about discovering natural processes.
- Works collaboratively and in multidisciplinary environments.
- Uses information and communication technologies effectively.

#### Attitudes

- Enjoys working in the laboratory and conducting research.
- Is interested in working with living organisms or parts thereof to improve people's quality of life.
- Values human dignity.

#### Professional Skills

- Identifies current regulations according to

biotechnological applications for quality control, safety, biosafety, and selection of inputs and equipment.

- Applies bioengineering principles to the design of biotechnological products, processes, and strategies of social, health, food, or environmental interest.
- Applies the scientific method in the development of experimental biotechnology or data science projects.
- Solves problems with a multidisciplinary approach based on bioeconomics and sustainability in different areas of biotechnology.
- Integrates the principles of bioethics and the common good into biotechnological developments..

### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the degree includes foundational courses such as University Life Orientation and Immersion, four language courses determined by the student's English placement exam, Introduction to University Mathematics, and Basic Physics. Regarding curricular courses, the academic plan is organized into two cores—Basic Professional Core and Advanced Professional Core—and structured into four training blocks:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common Courses by Areas of Knowledge.** Defined by areas of affinity within the academic division or by the combination of several divisions. It groups content that constitutes the foundation of professional education, including courses taken during the first half of the academic trajectory.

**Professional Core. Disciplinary Education.** Composed of essential courses that develop the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement students' preparation as future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Chemical Biology and Pharmacology

Educate graduates in Chemical Biology and Pharmacology with an ethical and human perspective, capable of responding to challenges related to quality control in toxicological, microbiological, and clinical analysis laboratories, as well as the development of new food and pharmaceutical products. This is achieved through the application of chemical-biological principles within technological, methodological, and regulatory processes, contributing to medical diagnosis and fostering scientific and biotechnological development in the basic, clinical, and industrial fields. Graduates will be equipped to optimize natural, economic, and human resources that enhance quality and service.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20221173

### Admission Profile

#### Knowledge

- Distinguishes the basic elements of organismal biology.
- Defines basic concepts of mathematics and physics.
- Relates fundamental principles of chemical sciences.
- Recognizes the basic stages of the scientific method.

#### Skills

- Uses logical, analytical, and mathematical reasoning.
- Proposes solutions to identified problems.
- Reads basic texts in English.
- Communicates effectively.

#### Attitudes

- Values the dignity of the human person.
- Shows interest in working with living organisms.
- Respects multidisciplinary collaborative work carried out in laboratory and field settings.

### Professional Skills

- Applies technological and methodological processes that ensure quality in the design and manufacture of pharmaceutical and cosmetic formulations.
- Develops, manages, and applies microbiological control systems to guarantee operational conditions in industrial, pharmaceutical, and health-related processes.
- Interprets and validates clinical analysis results based on current regulations to support diagnosis, prevention, control, and patient treatment.
- Conducts scientific research to propose solutions to problems related to clinical and pharmaceutical diagnostics and the development of new products.
- Designs and executes experiments for the synthesis and isolation of products used in the pharmaceutical, chemical, food, cosmetic, and biotechnological industries to generate social impact.

### Curriculum Map

The curriculum map of the degree consists of 52 courses. It is divided into cores that represent the progression of courses throughout the academic program, and each core is subdivided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student development in accordance with UPAEP's institutional profile. It contains three curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Includes essential multidisciplinary courses for the academic program. It contains five curricular lines: Mathematics, Physics, Chemistry, Biology, and Fundamentals of Chemical Biology and Pharmacology.

**Professional Core.** Includes specialized courses in the discipline. It contains nine curricular lines: Pharmacology, Clinical Diagnosis, Immunology, Parasitology, Microbiology, Technological Innovation, Clinical Analysis, Bioethics and Formation, and Pharmaceutical Technology.

**Elective Core.** Students may choose two of the four available lines: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Aimed at developing the skills necessary for the completion and graduation phase of the academic program. It is composed of one curricular line: Research.



## Bachelor's Degree in Dental Surgery

Educate graduates in Dental Surgery with an ethical and human perspective, capable of analyzing the diagnosis and prevention of oral cavity pathologies and their systemic effects. Students will develop innovative medical, surgical, and dental techniques and procedures based on current scientific evidence to positively impact the community's oral health, while fostering leadership and a strong commitment to regional, national, and international contexts.

Modality: Grounded

Campus: Puebla | RVOE Code: 20221174

### Admission Profile

#### Knowledge

- Identifies basic concepts of health sciences.
- Recognizes fundamental elements of biology and chemistry.
- Analyzes and understands basic readings.
- Understands basic texts in English.

#### Skills

- Demonstrates manual skills.
- Observes their environment analytically.
- Produces basic written work.

#### Attitudes

- Service-oriented attitude.
- Patience.
- Tolerance.
- Perseverance.

#### Professional Skills

- Relates the patient's overall health condition to the integral care of oral health and disease.
- Prevents, diagnoses, and provides timely dental care to the population through the analysis of scientific evidence related to medical-dental conditions.
- Applies innovative technology in medical, surgical-

dental procedures ethically and based on current scientific evidence.

- Uses contemporary biomedical-dental scientific evidence in diagnosis and surgical-dental procedures.
- Conducts basic, clinical, and epidemiological research in the biomedical-dental field.
- Works efficiently as part of an interdisciplinary team to ensure integral patient care.

### Curriculum Map

The curriculum map of the program consists of 75 courses. These are organized into cores that represent the progression of courses throughout the academic program, which are in turn divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student development in accordance with UPAEP's institutional profile. It includes four curricular lines: Computing, Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Includes essential multidisciplinary courses selected for their foundational nature. It contains two curricular lines: Biology and Morphology.

**Professional Core.** Consists of discipline-specific courses that support the development of professional skills. It includes 13 curricular lines: Basic Clinic, Systemic Pathology, Pharmacology, Basic Diagnosis, Periodontics, Endodontics, Surgery, Operative, Prosthodontics, Integral Rehabilitation, Growth and Development, Legal, and Administration.

**Elective Core.** Students may choose two of the four available lines: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Designed to develop the skills required for the completion and graduation phase of the academic program. It is composed of one curricular line: Research.



## Bachelor's Degree in Environmental Engineering and Sustainable Development

Educate graduates in Environmental Engineering with an ethical and human perspective, and with a solid foundation in basic sciences, engineering, and environmental technology. Graduates will propose the rational use of resources through the design and promotion of clean technologies from a sustainable development perspective, in compliance with environmental legislation, with the aim of contributing to human well-being within the community.

Modality: Grounded

Campus: Puebla | RVOE Code: 20200017

### Admission Profile

#### Knowledge

- Describes elements from different disciplinary areas of human knowledge, especially basic sciences (mathematics, chemistry, physics, biology) and technology, for the solution of diverse problems.

#### Skills

- Questions directly and indirectly observable changes that occur in environmental relationships and the impact of human activities on these changes.
- Proposes solutions to problems related to basic sciences.
- Manages a basic level of oral and written expression in English.

#### Attitudes and/or Values

- Is committed to preventing and solving environmental degradation problems, as well as promoting the rational use of natural resources aimed at conservation, restoration, and sustainable use.
- Shows initiative in undertaking projects.
- Expresses responsible opinions.
- Demonstrates willingness to work in teams.
- Is interested in developing environmental management projects.

### Professional Skills

- Applies principles of environmental engineering and basic sciences, identifying key areas for environmental improvement to correct and prevent environmental issues, demonstrating initiative and a service-oriented attitude.
- Manages environmental systems by applying relevant legislation and administrative processes in private companies, public institutions, and civil society organizations within a framework of confidentiality and professional ethics.
- Promotes the transition toward energy sustainability by integrating the use of renewable energies with low carbon emissions and reduced air pollution, aligned with local, national, and international development plans and commitments.
- Applies design processes within environmental engineering to promote the rational use of natural resources aimed at conservation, restoration, and sustainable use, working in interdisciplinary teams and prioritizing the common good.
- Conducts preliminary experimentation by analyzing and interpreting data to establish solutions and promote innovative environmental proposals.
- Acts with ethical and professional responsibility in situations relevant to environmental engineering and makes informed judgments considering the impact of engineering solutions in global and sustainable contexts.
- Designs socially relevant environmental engineering projects that reflect an entrepreneurial vocation, a transformative attitude, and a personal life plan through diagnosis, planning, problem evaluation, and effective communication using technical language.

### Curriculum Map

The curriculum map of the degree consists of 50 courses, organized into cores that represent the progression of courses throughout the academic program, and divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student development in accordance with UPAEP's institutional profile. It consists of 3 curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Contains essential multidisciplinary courses within the academic program. It consists of 4 curricular lines: Mathematics, Chemistry, Physics, and Basic Environmental Sciences.

**Professional Core.** Includes discipline-specific courses that build the professional profile. It consists of 5 curricular lines: Advanced Environmental Sciences, Energy, Environmental Management, Natural Resources, and Soil and Wastewater.

**Elective Core.** Students may select two of the four existing lines: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Designed to develop the skills required for the completion and graduation phase of the academic program. It consists of one curricular line: Research.



## Bachelor's Degree in Nutrition

Educate Nutrition students with a human vision and ethical commitment who can respond to current collective and individual challenges related to food and nutrition. Through scientific integration and technological innovation in clinical, population, service, and food science nutrition, graduates will execute actions that meet needs at the regional, national, and international levels.

Modality: Grounded

Campus: Puebla | RVOE Code: 20230558

### Admission Profile

#### Knowledge

- Identifies basic concepts of Biology, Chemistry, and Mathematics.
- Recognizes information and communication technologies.
- Distinguishes statistical data related to health topics.

#### Skills

- Communicates effectively.
- Uses English at a basic level.
- Proposes solutions to problems.

#### Attitudes

- Respects diversity and multiculturalism.
- Demonstrates ethical commitment.
- Shows a service-oriented attitude.
- Is aware of the impact of social needs.

#### Professional Skills

- Performs nutritional diagnostic and therapeutic procedures for healthy and ill individuals to address food and nutrition-related problems.
- Applies sociocultural, psychological, economic, epidemiological, environmental, physical, and clinical factors to assess the health-disease process at

individual and population levels.

- Implements national food policies and programs for the prevention and integral treatment of the population.
- Develops research projects to generate impact in various areas of human nutrition.

### Curriculum Map

The curriculum map of the degree consists of 52 courses, organized into cores that represent the progression of coursework throughout the academic program, and divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student development in accordance with UPAEP's institutional profile. It consists of 3 curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Contains essential multidisciplinary courses within the academic program. It consists of 5 curricular lines: Chemistry, Medicine, Biology, Psychology, and Nutrition.

**Professional Core.** Includes discipline-specific courses that contribute to the development of the professional profile. It consists of 4 curricular lines: Food Science, Food Service, Public Health Nutrition, and Clinical Nutrition.

**Elective Core.** Students may select two of the four existing lines: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Designed to develop skills required for the completion and graduation phase of the program. It consists of one curricular line: Research.



## Bachelor's Degree in Veterinary Medicine and Zootechnics

Educate Veterinary Medicine and Zootechnics professionals with an ethical and human perspective who are responsible for animal health, production, and welfare, applying medical, scientific, and technological principles to promote human health and environmental well-being.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20241205

### Admission Profile

#### Knowledge

- Recognizes basic concepts of Biology, Chemistry, and Mathematics.
- Distinguishes basic concepts related to information management, analysis, and synthesis.
- Identifies basic structures of the English language.
- Recognizes the basic principles of written language.

#### Skills

- Uses Microsoft Office tools and internet navigation.
- Applies the scientific method, as well as information analysis and processing, for problem-solving and prevention.
- Works collaboratively in teams.
- Applies basic English-language knowledge.

#### Attitudes and/or Values

- Enjoys interacting with people and adapts to different environments and social situations.
- Is interested in outdoor activities and working with animals.
- Is inclined toward activities related to the health and production sectors.
- Demonstrates tolerance under stressful situations.
- Respects others and animals.

#### Professional Skills

- Promotes animal welfare by performing professional activities ethically and in accordance with current legal frameworks.
- Applies public health and preventive veterinary medicine programs to safeguard human health.
- Leads strategies to increase animal productivity while ensuring the safety of animal-derived products.
- Develops research projects related to veterinary medicine, animal production, and animal welfare.

#### Curriculum Map

The curriculum map of the degree includes preparatory courses such as University Life Integration and Support, four language courses assigned based on the student's English placement exam, and Basic Mathematics for Health Sciences.

Regarding curricular courses, the program is organized into two cores—basic professional and advanced professional—and structured into four training blocks:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common Courses by Knowledge Areas.** Defined by affinity areas within the college or by a combination of colleges. It includes content that forms the foundation of professional education and is generally taken during the first half of the program.

**Professional Core. Disciplinary Education.** Consists of essential courses for developing the graduate profile and corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Composed of four elective courses selected from twelve to fifteen options, which complement the students' preparation and incorporate content from other academic programs.



## Bachelor's Degree in Physiotherapy

Educate physiotherapy professionals with an ethical and humanistic perspective, who respond to the needs of the human body movement system throughout the life cycle, applying the physiotherapy intervention method based on examination, evaluation, diagnosis, prognosis, and intervention for the preservation, enhancement, and restoration of bodily functions, with the purpose of contributing to the individual's bio-psycho-social well-being and that of their environment.

Modality: Grounded

Campus: Puebla | RVOE Code: 20230559

### Admission Profile

#### Knowledge

- Identifies basic knowledge of Cell Biology, Chemistry, and Physics.
- Recognizes the fundamental structures and functions of the human body.
- Distinguishes the role of the physiotherapist in society.

#### Skills

- Demonstrates reading and comprehension skills in Spanish.
- Applies logical and mathematical reasoning.
- Works collaboratively in teams.

#### Attitudes and Values

- Values collaborative work.
- Shows concern for social responsibility.
- Appreciates empathy and solidarity.

#### Professional Skills

- Applies the elements of the Physiotherapeutic Intervention Model based on the biophysical principles of human body movement to establish a physiotherapy diagnosis aimed at preventing, maintaining, developing, and/or restoring maximum movement and functional capacity in individuals.

- Develops research and/or intervention protocols in Physiotherapy according to social determinants and epidemiological variables, from a multidisciplinary health perspective grounded in bioethical and humanistic principles.
- Carries out administration and management processes in professional practice to optimize resources in patient care within clinical, occupational, and community contexts.
- Communicates orally and in writing using scientific language specific to the health sciences, adapting it to the patient's context to promote understanding of health conditions and functional levels among the individual, family members, multidisciplinary health teams, and/or employers.

### Curriculum Map

The undergraduate curriculum consists of **63 courses**, organized into academic cores that represent the progression of courses throughout the curricular pathway and are further divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student formation aligned with the UPAEP profile. It includes three curricular lines: Humanistic Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Comprises foundational courses selected for their multidisciplinary approach. It includes five curricular lines: Physical, Mathematical, and Administrative Principles, Structural Foundations of Movement, Theoretical and Methodological Foundations of Physiotherapy, Biological Foundations of Movement, Physiological Foundations of Movement

**Professional Core.** Includes discipline-specific courses that provide specialized professional training. It comprises five curricular lines: Clinical Sciences, Advanced Sciences, Therapeutic Resources, Therapeutic Intervention of the Movement System, Clinical Practice.

**Elective Core.** Students choose two out of four available lines: Entrepreneurship, Disciplinary Area, Social Relevance Academic Systems, or General Education.

**Terminal Core.** Aims to develop competencies for program completion and degree attainment. It includes two curricular lines: Integration and Research.



## Specialty in Cardiovascular and Pulmonary Rehabilitation

Educate Specialists in Physiotherapy in Cardiopulmonary and Vascular Rehabilitation with an ethical and human perspective, capable of developing and evaluating prevention protocols and specialized exercise programs for patients at cardiopulmonary and/or vascular risk. Through research on disorders of these systems within a multidisciplinary environment, graduates will contribute to addressing public health needs.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251723

### Admission Profile

#### Knowledge

- Recognizes the characteristics of the cardiovascular and pulmonary systems.
- Identifies the main diseases affecting the cardiovascular and pulmonary systems.
- Relates biological, structural, and functional components to the human movement system.
- Recognizes the code of ethics governing professional physiotherapy practice.

#### Skills

- Performs physiotherapeutic diagnoses.
- Applies the Physiotherapy care model.
- Collaborates transdisciplinarily in integral patient care.
- Proposes treatment plans focused on exercise..

#### Attitude

- Demonstrates commitment to the profession.
- Acts in accordance with the deontological principles of the profession.
- Is aware of public health issues.
- Shows interest in continuous professional development

#### Professional Skills

- Biomechanically evaluates cardiac, pulmonary, and vascular function to optimize the quality of life of individuals and communities.
- Designs interventions based on exercise prescription as part of an interdisciplinary health team for specific and vulnerable populations, with ethical and human principles.
- Develops early physiotherapeutic intervention plans for critically ill patients to prevent complications associated with immobility through oral and written communication processes with the healthcare team, the patient's family, and primary caregiver, guided by ethical and human principles.

#### Curriculum Map

The curriculum map of the specialty is organized into two cores: Basic Professional and Advanced Professional. The academic program lasts four quarters of fourteen weeks each. As part of the integrative education, the curriculum includes one signature course—Bioethics—along with eleven discipline-specific courses and two research courses, ensuring a coherent and holistic educational trajectory for the student.



## Specialty in Medicine and Surgery of Dogs and Cats

Educate Specialists in Medicine and Surgery of Dogs and Cats with an ethical and human perspective who apply medical principles, clinical diagnostic techniques, and therapeutic protocols in these species. Through prevention, recognition, diagnosis, and the establishment of medical and surgical treatments for various diseases, graduates will restore animal health, ensure animal welfare, and contribute to public health.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220755

### Admission Profile

#### Knowledge

- Distinguishes the medical and surgical principles applied to dogs and cats.
- Identifies basic medical and diagnostic equipment.
- Analyzes medical literature for clinical practice.

#### Skills

- Applies diagnostic processes and methods during medical consultations.
- Applies basic principles of general surgery.
- Communicates with pet owners about diagnostic and therapeutic procedures.

#### Values and Attitudes

- Cares about the well-being of both the patient and the owner.
- Recognizes the importance of research and continuous updating in medical practice.
- Values teamwork.

#### Professional Skills

- Leads and evaluates medical and surgical treatments based on scientific evidence to restore the health of dogs and cats, under the principles of bioethics and animal welfare.

- Selects and uses state-of-the-art medical techniques and equipment in collaboration with different medical areas to carry out diagnostic and therapeutic processes in dogs and cats.
- Researches and applies medical principles to prevent, diagnose, and establish treatments in dogs and cats with a One Health approach.

### Curriculum Map

The curriculum map of the specialty consists of 32 courses, organized into cores that represent the progression of coursework throughout the academic program, and divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes the student's development in accordance with UPAEP's institutional profile. It consists of 1 curricular line: Leadership.

**Basic Professional Core.** Contains essential multidisciplinary courses within the program. It consists of 2 curricular lines: Animal Welfare and General Medicine.

**Professional Core.** Includes discipline-specific courses that form the basis of the professional education. It consists of 4 curricular lines: Internal Medicine, Anesthesiology and Surgery, Imaging, and Diagnostics.

**Capstone Core.** Focused on developing the competencies required for the finalization and degree-completion stage of the program. It consists of 2 curricular lines: Integration and Research.



## Speciality in Orthodontics

Educate Specialists in Orthodontics with an ethical and human perspective who provide interceptive and/or corrective care for dentoalveolar, skeletal, or dentoskeletal malocclusions. This is achieved through the design of an integral orthodontic diagnosis supported by advanced technology, and the application of treatment plans tailored to each patient's specific condition, with the purpose of restoring functional and aesthetic oral health.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241204

### Admission Profile

Applicants must have completed a bachelor's degree in Dentistry or a related field prior to admission to UPAEP.

Additionally, the following profile is considered:

### Knowledge

- Recognizes basic elements of the clinical sciences within the dental discipline.
- Identifies cranio-maxillofacial health problems within the national health context.
- States current regulations and health and environmental standards in the field of Dentistry.
- Identifies prevalent stomatological pathologies.
- Understands basic research methodology for dentistry-related studies.
- Recognizes mathematical analysis used in solving oral health problems

### Skills

- Demonstrates proficiency in the English language.
- Shows the ability to analyze and synthesize texts.
- Writes texts with proper syntax, facilitating comprehension.
- Applies preventive techniques to reduce stomatological health risks individually and collectively.
- Operates dental instruments, materials, and equipment necessary for professional practice.
- Communicates clinical judgment critically and reflectively.
- Plans treatment strategies based on identified

stomatological pathologies.

- Participates in interdisciplinary management of dental specialties such as Periodontics, Maxillofacial Surgery, Restorative Dentistry, and Pediatric Stomatology.
- Handles basic technologies applied to dentistry.
- Proposes actions to promote oral health.
- Masters scientific concepts relevant to dental professional practice.
- Demonstrates manual skills and dexterity..

### Attitudes and/or Values

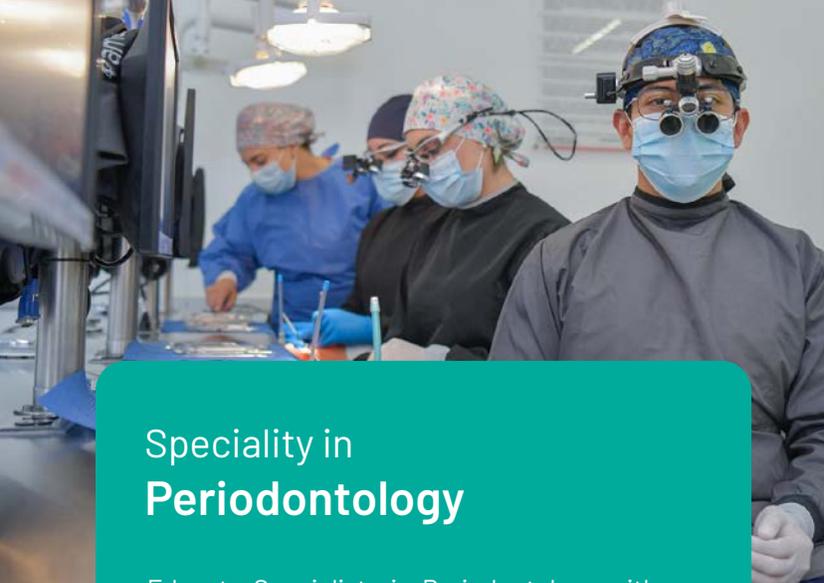
- Acts according to values such as humanism, solidarity, justice, equity, responsibility, commitment, respect, and empathy in personal, academic, and professional environments.
- Makes decisions aimed at improving individual and community oral health.
- Respects dental regulations and health and environmental standards.
- Is aware of ethical and human principles required to protect patients' biological, physical, and psychological integrity.
- Values assertive communication as a means of conflict management.
- Is interested in developing and promoting dental research.
- Is motivated to design educational programs that respond to societal needs in the field of dentistry.
- Appreciates interdisciplinary collaboration to preserve oral health.
- Regularly consults reliable scientific sources to remain professionally updated.
- Demonstrates a service-oriented attitude.
- Cares for personal health and stress management.
- Is interested in new information and communication technologies.

### Professional Skills

- Performs orthodontic diagnosis considering anatomy, growth, and the individual's developmental stage, distinguishing normal from pathological characteristics.
- Proposes and applies bioethical, multidisciplinary treatment plans according to the type of malocclusion identified.
- Precisely applies advanced orthodontic procedures to restore functional and aesthetic oral health.
- Conducts clinical research with academic rigor and a bioethical perspective in the field of Orthodontics, contributing to knowledge development in the discipline.

### Curriculum Map

The curriculum map of the specialty is organized into two cores: Basic Professional and Advanced Professional. The program lasts a total of two and a half years, structured into 22-week semesters. As part of the integrative educational experience, the curriculum includes one signature course—Bioethics. The remaining courses are discipline-specific and designed to align with orthodontic education, ensuring a coherent and well-structured learning trajectory for the student.



## Speciality in Periodontology

Educate Specialists in Periodontology with an ethical and human perspective who prevent and detect the etiology of periodontal disease, establishing diagnosis, prognosis, and treatment plans supported by innovative and cutting-edge technology, in order to generate integral and interdisciplinary alternatives for restoring the health of supporting tissues.

- Operates dental instruments, materials, and equipment.
- Demonstrates manual skills and dexterity.

### Attitudes

- Acts according to values such as humanism, solidarity, justice, equity, responsibility, commitment, respect, and empathy in personal, academic, and professional environments.
- Is interested in developing techniques for the treatment of periodontal disease.
- Values assertive communication as a means of managing conflicts.
- Cares for personal health and stress management.
- Demonstrates a service-oriented attitude.
- Makes decisions aimed at improving patients' oral health.
- Appreciates interdisciplinary collaboration to preserve oral health.
- Acts ethically in the application of dental treatments.
- Is interested in new information and communication technologies.
- Is committed to continuing education in the field.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251730

### Admission Profile

#### Knowledge

- Identifies cranio-maxillofacial health problems within the national health context.
- Describes preventive and surgical dental procedures.
- Recognizes stomatognathic physiological processes.
- Relates the disciplines that constitute basic dental sciences.
- Distinguishes current dental regulations as well as public health standards.
- Understands mathematical analysis used to solve oral health problems.

#### Skills

- Demonstrates proficiency in the English language.
- Shows capacity for text analysis and synthesis.
- Writes texts using appropriate syntax that facilitates comprehension.
- Applies preventive methods to avoid periodontal diseases.
- Plans dental treatments.
- Communicates clinical judgments critically and reflectively.
- Develops follow-up plans to address oral health issues.
- Performs basic dental surgical procedures.
- Proposes actions to promote oral health.

### Professional Skills

- Determines the diagnosis of periodontal and peri-implant conditions through the systematic analysis of dental medical-clinical findings, complementary studies, and auxiliary imaging or laboratory tools.
- Proposes and applies interdisciplinary treatment plans with a bioethical approach, considering systemic and local aspects of periodontal and peri-implant diseases in their different phases.
- Applies periodontal and peri-implant methods and techniques effectively, according to patient needs, in order to preserve the oral health of the population.
- Evaluates diagnoses, treatment plans, and periodontal and peri-implant methods and techniques through evidence-based dentistry, with the objective of providing high-quality care to the community.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map for this specialty is organized into two cores: Basic Professional and Advanced Professional. The program lasts a total of two and a half years, structured into 22-week semesters. As part of the integral education, the curriculum includes a signature course—Bioethics. The remaining courses are discipline-specific and designed to align with the field of periodontology, ensuring a coherent and integral educational trajectory for the student.



## Speciality in Restorative Dentistry

Educate Specialists in Restorative Dentistry with an ethical and human perspective, who prevent and detect the etiology of periodontal disease by establishing a diagnosis, prognosis, and treatment plan supported by innovative and cutting-edge technology, in order to generate alternatives for restoring the health of supporting tissues through integrative and interdisciplinary approaches.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251730

### Admission Profile

#### Knowledge

- Identifies cranio-maxillofacial health issues within the national health context.
- Describes preventive and surgical dental procedures.
- Recognizes stomatognathic physiological processes.
- Relates the disciplines that integrate the basic sciences of dentistry.
- Distinguishes current regulations in the field of dentistry, as well as public health standards.
- Recognizes mathematical analysis as a tool for solving oral health problems.

#### Skills

- Demonstrates proficiency in the English language.
- Demonstrates the ability to analyze and synthesize texts.
- Writes texts with proper syntax that facilitate the understanding of ideas.
- Applies preventive methods to avoid periodontal diseases.
- Plans dental treatments.
- Communicates clinical judgments critically and reflectively.
- Develops follow-up plans to solve oral health problems.
- Performs basic dental surgical procedures.

- Proposes actions to promote oral health.
- Handles instruments, materials, and equipment used in dental practice.
- Demonstrates manual abilities and technical dexterity.

#### Attitudes

- Acts based on values such as humanism, solidarity, justice, equity, responsibility, commitment, respect, and empathy in personal, academic, and professional settings.
- Shows interest in the development of techniques for the treatment of periodontal disease.
- Values assertive communication as a means for conflict management.
- Cares about personal health and stress management.
- Demonstrates a service-oriented attitude.
- Makes decisions that contribute to improving patients' oral health.
- Appreciates interdisciplinary work aimed at preserving oral health (teamwork).
- Acts ethically when applying dental treatments.
- Shows interest in new information and communication technologies.
- Values continuing education in the field.

#### Professional Skills

- Determines restorative diagnoses based on the analysis of patients' prosthetic needs.
- Proposes and carries out bioethical and integrative restorative treatments with an inter- and multidisciplinary approach to restore dentomaxillofacial function, esthetics, and harmony.
- Applies restorative procedures with precision and a preventive approach to restore patients' oral function and esthetics.
- Develops proposals for scientific and medical discovery in restorative dentistry, adhering to local and international bioethical regulations.

#### Curriculum Map

The curriculum map of the specialty is organized into two cores: the Basic Professional Core and the Advanced Professional Core. The program has a total duration of two and a half years, structured into 22-week semester cycles. As an integral part of the curriculum, a signature course—Bioethics—is included. The remaining courses are curricular and specifically designed to align with the discipline, ensuring an integral and coherent educational trajectory for the student.



## Specialty in Supplementation and Clinical Nutrition

Educate specialists in supplementation and clinical nutrition with an ethical and human approach, who are able to identify, interpret, and apply nutritional supplementation, analyzing scientific evidence within interdisciplinary health teams, in order to contribute to individual and collective health and well-being.

- Proposes dietary modifications based on clinical disorders to support the prevention and treatment of prevalent conditions in individuals or populations.
- Diagnoses and addresses prevalent nutritional disorders across different stages of life, contributing to improved health among the individuals or populations served.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20241240

### Admission Profile

#### Knowledge

- Applies concepts of biochemistry.
- Uses concepts of physiology.
- Analyzes epidemiological profiles.
- Describes nutritional diagnosis for a multidisciplinary treatment approach.

#### Skills

- Manages scientific information.
- Demonstrates ease in interpersonal relationships.
- Uses ICTs and electronic devices.
- Communicates assertively.
- Shows skills for autonomous study and work.

#### Attitudes / Values

- Demonstrates responsibility.
- Respects individual differences.
- Acts with discipline to achieve goals.
- Shows ethical commitment.

#### Professional Skills

- Develops an integrative nutritional treatment plan for individuals or populations in the context of supplementation and clinical nutrition, contributing to the prevention of pathologies.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map for the specialty is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of four quarters, each lasting 14 weeks. As an integral part of academic education and embedded within the program's courses, there is a signature course: Bioethics. The remaining courses are curricular and specifically designed to align with the discipline, ensuring a coherent and integrative learning trajectory for the student.



## Specialty in Supplementation and Clinical Nutrition

Educate specialists in supplementation and clinical nutrition with an ethical and human approach, who are able to identify, interpret, and apply nutritional supplementation, analyzing scientific evidence within interdisciplinary health teams, in order to contribute to individual and collective health and well-being.

- Proposes dietary modifications based on clinical disorders to support the prevention and treatment of prevalent conditions in individuals or populations.
- Diagnoses and addresses prevalent nutritional disorders across different stages of life, contributing to improved health among the individuals or populations served.

Modality: Online  
Campus: Puebla | RVOE Code: 20241240

### Admission Profile

#### Knowledge

- Applies concepts of biochemistry.
- Uses concepts of physiology.
- Analyzes epidemiological profiles.
- Describes nutritional diagnosis for a multidisciplinary treatment approach.

#### Skills

- Manages scientific information.
- Demonstrates ease in interpersonal relationships.
- Uses ICTs and electronic devices.
- Communicates assertively.
- Shows skills for autonomous study and work.

#### Attitudes / Values

- Demonstrates responsibility.
- Respects individual differences.
- Acts with discipline to achieve goals.
- Shows ethical commitment.

#### Professional Skills

- Develops an integrative nutritional treatment plan for individuals or populations in the context of supplementation and clinical nutrition, contributing to the prevention of pathologies.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map for the specialty is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of four quarters, each lasting 14 weeks. As an integral part of academic education and embedded within the program's courses, there is a signature course: Bioethics. The remaining courses are curricular and specifically designed to align with the discipline, ensuring a coherent and integrative learning trajectory for the student.



## Master's Degree in Biotechnology

Educate Master's graduates in Biotechnology with an ethical and human approach, who apply, develop, and manage biotechnological processes in the environmental, agri-food, medical, and pharmaceutical fields. This is achieved through innovation, bio-business entrepreneurship, the development and application of biotechnological products and industrially relevant bioprocesses, as well as proficiency in analytical and molecular techniques for controlling, evaluating, and monitoring processes. The goal is to contribute to generating a positive impact in the environmental, health, pharmaceutical, and agri-food sectors, in close collaboration with the productive sector and with a sustainable focus.

degradable or recyclable products using living organisms or modified metabolic pathways.

### Professional Skills

- Applies the scientific method in research or practical projects to provide biotechnological solutions to social or business problems.
- Produces technical-scientific and/or outreach texts to publish biotechnology-related projects grounded in molecular biology, microbiology, biochemistry, bioprocesses, and/or bioeconomy.
- Participates in innovative problem-solving within multidisciplinary teams in biotechnological areas for the health, agri-food, or environmental sectors, under a bioethical approach.

### Curriculum Map

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of two years and includes 12 courses, structured in four-month academic cycles of fourteen weeks each. As an integral part of the academic education, the program includes a signature course—an elective in human education—with the following options: Transformative Leadership, Bioethics, or Philosophy of Science.

The program also includes four courses corresponding to the basic professional core. Within professional education, students choose from two elective lines, each composed of three courses, which may belong to the same program or to other master's degrees. These options include Innovation Seminars, the Industry Linkage Seminar, and the International Seminar.

Additionally, the curriculum includes two interdisciplinary elective courses, prioritizing offerings from other master's programs that support the development of the graduate profile. The remaining two courses belong to the research area and support the student's degree completion process.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251737

### Admission Profile

#### Knowledge

- Identifies fundamental knowledge in biology, chemistry, biochemistry, microbiology, and molecular biology.

#### Skills

- Handles laboratory techniques in microbiology, physiology, molecular biology, and genetics.
- Uses advanced English structures to read and analyze scientific articles.
- Applies the scientific method as a research methodology.
- Uses logical-mathematical reasoning

#### Attitudes

- Values collaborative and individual work.
- Acts with ethical and human principles in decision-making.
- Shows concern for improving environmental quality.
- Values research and the development of new



## Master's Degree in Biotechnology

Educate Master's graduates in Biotechnology with an ethical and human approach, who apply, develop, and manage biotechnological processes in the environmental, agri-food, medical, and pharmaceutical fields. This is achieved through innovation, bio-business entrepreneurship, the development and application of biotechnological products and industrially relevant bioprocesses, as well as proficiency in analytical and molecular techniques for controlling, evaluating, and monitoring processes. The goal is to contribute to generating a positive impact in the environmental, health, pharmaceutical, and agri-food sectors, in close collaboration with the productive sector and with a sustainable focus.

degradable or recyclable products using living organisms or modified metabolic pathways.

### Professional Skills

- Applies the scientific method in research or practical projects to provide biotechnological solutions to social or business problems.
- Produces technical-scientific and/or outreach texts to publish biotechnology-related projects grounded in molecular biology, microbiology, biochemistry, bioprocesses, and/or bioeconomy.
- Participates in innovative problem-solving within multidisciplinary teams in biotechnological areas for the health, agri-food, or environmental sectors, under a bioethical approach.

### Curriculum Map

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of two years and includes 12 courses, structured in four-month academic cycles of fourteen weeks each. As an integral part of the academic education, the program includes a signature course—an elective in human education—with the following options: Transformative Leadership, Bioethics, or Philosophy of Science.

The program also includes four courses corresponding to the basic professional core. Within professional education, students choose from two elective lines, each composed of three courses, which may belong to the same program or to other master's degrees. These options include Innovation Seminars, the Industry Linkage Seminar, and the International Seminar. Additionally, the curriculum includes two interdisciplinary elective courses, prioritizing offerings from other master's programs that support the development of the graduate profile. The remaining two courses belong to the research area and support the student's degree completion process.

Modality: Online

Campus: Puebla | RVOE Code: 20251737

### Admission Profile

#### Knowledge

- Identifies fundamental knowledge in biology, chemistry, biochemistry, microbiology, and molecular biology.

#### Skills

- Handles laboratory techniques in microbiology, physiology, molecular biology, and genetics.
- Uses advanced English structures to read and analyze scientific articles.
- Applies the scientific method as a research methodology.
- Uses logical-mathematical reasoning

#### Attitudes

- Values collaborative and individual work.
- Acts with ethical and human principles in decision-making.
- Shows concern for improving environmental quality.
- Values research and the development of new



## Master's Degree in Clinical Nutrition

Educate Master's graduates in Clinical Nutrition with an ethical and human approach, who assess and intervene in nutritional therapy processes in collaboration with interdisciplinary health teams, creating, applying, and evaluating cutting-edge techniques and procedures in order to contribute to individual and collective health and well-being.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241241

### Admission Profile

#### Knowledge

- Applies concepts of biochemistry.
- Uses concepts of physiology.
- Analyzes epidemiological and pathophysiological profiles.
- Examines nutritional diagnosis for a multidisciplinary treatment approach.

#### Skills

- Manages scientific information.
- Demonstrates ease in interpersonal relationships.
- Communicates assertively.

#### Attitudes

- Demonstrates responsibility.
- Respects individual differences.
- Acts with discipline to achieve goals.
- Shows ethical commitment.

#### Professional Skills

- Designs and implements dietary modifications and nutritional therapy based on clinical disorders associated with various pathologies, aiming to positively impact population health.
- Develops diagnoses and intervention plans using

current nutritional therapies to address prevalent nutritional alterations across different stages of life.

- Conducts research in Clinical Nutrition using a scientific approach to address problems in nutrition and health.
- Applies bioethical principles in nutritional intervention processes to ensure the integrity of individuals and groups.

### Curriculum Map

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of six quarters, each lasting fourteen weeks. As an integral part of academic education and within its courses, the program includes a signature course, Bioethics. The remaining courses are curricular and specifically designed to align with the discipline, ensuring a coherent and integrative learning trajectory for the student.



## Master's Degree in Clinical Nutrition

Educate Master's graduates in Clinical Nutrition with an ethical and human approach, who assess and intervene in nutritional therapy processes in collaboration with interdisciplinary health teams, creating, applying, and evaluating cutting-edge techniques and procedures in order to contribute to individual and collective health and well-being.

Modality: Online  
Campus: Puebla | RVOE Code: 20241241

### Admission Profile

#### Knowledge

- Applies concepts of biochemistry.
- Uses concepts of physiology.
- Analyzes epidemiological and pathophysiological profiles.
- Examines nutritional diagnosis for a multidisciplinary treatment approach.

#### Skills

- Manages scientific information.
- Demonstrates ease in interpersonal relationships.
- Communicates assertively.

#### Attitudes

- Demonstrates responsibility.
- Respects individual differences.
- Acts with discipline to achieve goals.
- Shows ethical commitment.

#### Professional Skills

- Designs and implements dietary modifications and nutritional therapy based on clinical disorders associated with various pathologies, aiming to positively impact population health.
- Develops diagnoses and intervention plans using

current nutritional therapies to address prevalent nutritional alterations across different stages of life.

- Conducts research in Clinical Nutrition using a scientific approach to address problems in nutrition and health.
- Applies bioethical principles in nutritional intervention processes to ensure the integrity of individuals and groups.

### Curriculum Map

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of six quarters, each lasting fourteen weeks. As an integral part of academic education and within its courses, the program includes a signature course, Bioethics. The remaining courses are curricular and specifically designed to align with the discipline, ensuring a coherent and integral learning trajectory for the student.



## Master's Degree in Energy Management

Educate Master's graduates in Energy Management with an ethical and human approach, who promote a culture of continuous improvement and innovation in energy performance derived from the energy contained in processes. This is accomplished through engineering-based study and the application of integrative planning and project evaluation strategies, using information, communication, knowledge, and digital learning technologies (TICCAD). The purpose is to promote the energy integration of processes, equipment, and operations, enabling the implementation of cost- and energy-saving practices within the daily operations of national and international organizations.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241827

### Admission Profile

#### Knowledge

- Demonstrates logical-mathematical reasoning.
- Interprets information presented in English.
- Shows interest in energy-generation fields oriented toward climate-change mitigation.

#### Skills

- Uses word processors, spreadsheets, and information, communication, knowledge, and digital learning technologies (TICCAD) to search for reliable sources when carrying out research or project development.
- Uses information and communication sources to conduct research for academic or professional projects.
- Applies engineering terminology or related disciplinary language in professional practice.
- Observes phenomena in their surroundings and proposes technological ideas or solutions.

#### Attitudes

- Expresses responsible opinions.
- Demonstrates willingness and capacity for self-directed learning in specific projects.

- Uses innovative strategies and current regulations for continuous improvement in governmental, public, and social projects.
- Demonstrates reading habits and systematic, autonomous study practices, as well as participation in events related to the energy sector.

### Professional Skills

- Applies theoretical, practical, and historical engineering foundations involved in the methods and processes that improve the energy performance of organizations, integrating quality, efficiency, and energy use and consumption in the generation, distribution, and commercialization of energy for the benefit of society.
- Develops solutions to problems from an engineering perspective to design sustainable energy projects aimed at preventing, managing, controlling, and reducing greenhouse gas emissions, energy costs, and other related environmental impacts.
- Optimizes energy resources to mitigate the negative impact generated by human activity, considering technology, legislation, quality systems, and national and international agreements required within public or private organizations and specialized firms.
- Carries out energy-sustainability projects within inter-, trans-, and multidisciplinary teams that integrate the use and forecasting of low-carbon and low-pollution energy sources, responding to local, national, and international development plans and commitments, while exercising leadership in the promotion and reflection of concrete actions required to achieve a more sustainable and equitable energy system for human well-being.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of two years and includes 12 courses, structured in four-month academic cycles of fourteen weeks each. As an integral part of the academic education, the program includes a signature course—an elective in human education—with the following options: Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good.

The program also includes three courses that constitute the basic professional core. Within professional education, students select from two elective lines, each composed of four courses. These courses may belong to the same program or to other master's programs. Available options include the Innovation Seminars, the Industry Linkage Seminar, and the International Seminar.

Additionally, the curriculum includes two interdisciplinary elective courses, prioritizing offerings from other graduate programs that contribute to the development of the graduate profile. The remaining two courses correspond to the research area and support the student's degree completion process.



## Master's Degree in Energy Management

Educate Master's graduates in Energy Management with an ethical and human approach, who promote a culture of continuous improvement and innovation in energy performance derived from the energy contained in processes. This is accomplished through engineering-based study and the application of integrative planning and project evaluation strategies, using information, communication, knowledge, and digital learning technologies (TICCAD). The purpose is to promote the energy integration of processes, equipment, and operations, enabling the implementation of cost- and energy-saving practices within the daily operations of national and international organizations.

- Uses innovative strategies and current regulations for continuous improvement in governmental, public, and social projects.
- Demonstrates reading habits and systematic, autonomous study practices, as well as participation in events related to the energy sector.

### Professional Skills

- Applies theoretical, practical, and historical engineering foundations involved in the methods and processes that improve the energy performance of organizations, integrating quality, efficiency, and energy use and consumption in the generation, distribution, and commercialization of energy for the benefit of society.
- Develops solutions to problems from an engineering perspective to design sustainable energy projects aimed at preventing, managing, controlling, and reducing greenhouse gas emissions, energy costs, and other related environmental impacts.
- Optimizes energy resources to mitigate the negative impact generated by human activity, considering technology, legislation, quality systems, and national and international agreements required within public or private organizations and specialized firms.
- Carries out energy-sustainability projects within inter-, trans-, and multidisciplinary teams that integrate the use and forecasting of low-carbon and low-pollution energy sources, responding to local, national, and international development plans and commitments, while exercising leadership in the promotion and reflection of concrete actions required to achieve a more sustainable and equitable energy system for human well-being.

Modality: Online

Campus: Puebla | RVOE Code: 20241827

### Admission Profile

#### Knowledge

- Demonstrates logical-mathematical reasoning.
- Interprets information presented in English.
- Shows interest in energy-generation fields oriented toward climate-change mitigation.

#### Skills

- Uses word processors, spreadsheets, and information, communication, knowledge, and digital learning technologies (TICCAD) to search for reliable sources when carrying out research or project development.
- Uses information and communication sources to conduct research for academic or professional projects.
- Applies engineering terminology or related disciplinary language in professional practice.
- Observes phenomena in their surroundings and proposes technological ideas or solutions.

#### Attitudes

- Expresses responsible opinions.
- Demonstrates willingness and capacity for self-directed learning in specific projects.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of two years and includes 12 courses, structured in four-month academic cycles of fourteen weeks each. As an integral part of the academic education, the program includes a signature course—an elective in human education—with the following options: Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good.

The program also includes three courses that constitute the basic professional core. Within professional education, students select from two elective lines, each composed of four courses. These courses may belong to the same program or to other master's programs. Available options include the Innovation Seminars, the Industry Linkage Seminar, and the International Seminar.

Additionally, the curriculum includes two interdisciplinary elective courses, prioritizing offerings from other graduate programs that contribute to the development of the graduate profile. The remaining two courses correspond to the research area and support the student's degree completion process.



## Master's Degree in Environmental Engineering and Sustainable

Educate Master's graduates in Environmental Engineering and Sustainable Development as leaders in natural resource management, reduction of the negative impacts of human activities, climate change mitigation, and participation in development planning aligned with the Sustainable Development Goals (SDGs), as well as productivity goals within companies, government agencies, and non-governmental organizations. This is achieved through the use of Information, Communication, Knowledge, and Digital Learning Technologies (TICCAD), and through ethical, human, and socially responsible participation in diagnostic formulation, applied research, project design and execution, continuous evaluation, and innovation. The purpose is to contribute to the prevention, mitigation, and resolution of environmental problems in national and international contexts, as well as to protect and conserve natural capital, and to support global health, thereby promoting sustainable development.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241826

### Admission Profile

#### Knowledge

- Recognizes key areas for environmental improvement.
- Distinguishes national and international environmental management systems.
- Interprets basic texts in English.
- Identifies reliable sources to conduct research, develop projects, and implement actions to correct and prevent problems by identifying root causes.
- Demonstrates logical-mathematical reasoning.

#### Skills

- Proposes reflections and hypotheses based on results from analyses of anthropogenic environmental pollution.
- Applies engineering terminology in professional performance.
- Uses information, communication, knowledge, and

digital learning technologies as the primary channel of interaction in blended-learning modalities.

- Applies learning acquired through self-study to local cultural contexts and daily life.

#### Attitudes

- Is aware of the importance of the rational use of natural resources for their conservation, restoration, and sustainable use.
- Shows interest in environmental legislation.
- Expresses responsible opinions.
- Demonstrates willingness to work collaboratively.

#### Professional Skills

- Carries out sustainable projects using clean technologies in the fields of environment and energy to prevent, mitigate, compensate, and solve pollution problems in ecosystems, and identifies opportunities for innovative business models in the productive or service sectors.
- Designs sustainability strategies for the use of natural resources, recognizing their strategic value and efficient use in natural capital management, and demonstrating leadership in promoting social transformation for the common good, recording findings in formal technical documents.
- Proposes sustainable projects within inter-, trans-, and multidisciplinary teams to promote social transformation, address priority issues, and respond to climate change and other negative impacts generated by human activity, based on research ethics, environmental legislation, and organizational planning.
- Develops energy sustainability projects that promote the use of low-carbon energy sources aligned with local, national, and international development plans and commitments to compensate for negative environmental impacts and liabilities, improving energy performance in terms of quality, efficiency, use, and consumption.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core. The curricular program comprises a total of two years and consists of 12 courses structured in four-month cycles of fourteen weeks each. As an integral part of the academic program, there is one signature course, a human elective, with the following options: Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good. The program also includes three courses belonging to the basic professional core. Within the professional education component, students choose from two elective lines, each composed of four courses. These courses may belong to the same program or to other master's programs. Available options include Innovation Seminars, the Industry Linkage Seminar, and the International Seminar. Additionally, the curriculum includes two interdisciplinary elective courses, prioritizing those from other master's programs that contribute to the development of the graduate profile. The remaining two courses belong to the research area and support the student's preparation for degree completion.



## Master's Degree in Environmental Engineering and Sustainable

Educate Master's graduates in Environmental Engineering and Sustainable Development as leaders in natural resource management, reduction of the negative impacts of human activities, climate change mitigation, and participation in development planning aligned with the Sustainable Development Goals (SDGs), as well as productivity goals within companies, government agencies, and non-governmental organizations. This is achieved through the use of Information, Communication, Knowledge, and Digital Learning Technologies (TICCAD), and through ethical, human, and socially responsible participation in diagnostic formulation, applied research, project design and execution, continuous evaluation, and innovation. The purpose is to contribute to the prevention, mitigation, and resolution of environmental problems in national and international contexts, as well as to protect and conserve natural capital, and to support global health, thereby promoting sustainable development.

Modality: Online

Campus: Puebla | RVOE Code: 20241826

### Admission Profile

#### Knowledge

- Recognizes key areas for environmental improvement.
- Distinguishes national and international environmental management systems.
- Interprets basic texts in English.
- Identifies reliable sources to conduct research, develop projects, and implement actions to correct and prevent problems by identifying root causes.
- Demonstrates logical-mathematical reasoning.

#### Skills

- Proposes reflections and hypotheses based on results from analyses of anthropogenic environmental pollution.
- Applies engineering terminology in professional performance.
- Uses information, communication, knowledge, and

digital learning technologies as the primary channel of interaction in blended-learning modalities.

- Applies learning acquired through self-study to local cultural contexts and daily life.

#### Attitudes

- Is aware of the importance of the rational use of natural resources for their conservation, restoration, and sustainable use.
- Shows interest in environmental legislation.
- Expresses responsible opinions.
- Demonstrates willingness to work collaboratively.

#### Professional Skills

- Carries out sustainable projects using clean technologies in the fields of environment and energy to prevent, mitigate, compensate, and solve pollution problems in ecosystems, and identifies opportunities for innovative business models in the productive or service sectors.
- Designs sustainability strategies for the use of natural resources, recognizing their strategic value and efficient use in natural capital management, and demonstrating leadership in promoting social transformation for the common good, recording findings in formal technical documents.
- Proposes sustainable projects within inter-, trans-, and multidisciplinary teams to promote social transformation, address priority issues, and respond to climate change and other negative impacts generated by human activity, based on research ethics, environmental legislation, and organizational planning.
- Develops energy sustainability projects that promote the use of low-carbon energy sources aligned with local, national, and international development plans and commitments to compensate for negative environmental impacts and liabilities, improving energy performance in terms of quality, efficiency, use, and consumption.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core. The curricular program comprises a total of two years and consists of 12 courses structured in four-month cycles of fourteen weeks each. As an integral part of the academic program, there is one signature course, a human elective, with the following options: Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good. The program also includes three courses belonging to the basic professional core. Within the professional education component, students choose from two elective lines, each composed of four courses. These courses may belong to the same program or to other master's programs. Available options include Innovation Seminars, the Industry Linkage Seminar, and the International Seminar. Additionally, the curriculum includes two interdisciplinary elective courses, prioritizing those from other master's programs that contribute to the development of the graduate profile. The remaining two courses belong to the research area and support the student's preparation for degree completion.



## Master's Degree in Health Sciences

To train Master's graduates in Health Sciences within an ethical and human framework, capable of addressing health problems related to the main causes of morbidity and mortality affecting the population. This is achieved through the integration of scientific research related to the structure and functions of the human body at the molecular, cellular, and systemic levels, from a clinical-epidemiological perspective, with the purpose of contributing to the development of health strategies that promote population well-being.

Modality: Grounded

Campus: Puebla | RVOE Code: 20230560

### Admission Profile

#### Knowledge

- Analyzes the basic principles of biology.
- Identifies the fundamental elements of research.
- Recognizes the scientific foundations of public health.
- Understands basic informatics concepts.

#### Skills

- Uses verbal and mathematical reasoning.
- Performs systematic observation grounded in the scientific bases of health.
- Designs scientific problems individually or in work groups.
- Applies critical and analytical thinking in research proposals.

#### Attitudes / Values

- Values the importance of ethical principles in research.
- Respects individual differences.
- Behaves responsibly in diverse environments.
- Acts with discipline to achieve goals.

#### Professional Skills

- Leads and develops systematic and interdisciplinary

clinical-epidemiological research and its trends in the field of human health.

- Grounds clinical-epidemiological research in epistemological, theoretical, methodological, and statistical principles.
- Communicates scientific findings orally and in writing.
- Evaluates diseases and their treatment phases from a scientific, ethical, and human perspective, particularly those related to poverty, natural disasters, and epidemiological pathologies.

### Curriculum Map

The curriculum map for the master's program comprises 18 courses, organized into curricular cores that reflect the progression of courses throughout the academic program. Each core is divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student education aligned with UPAEP's profile.

Contains one curricular line: Human Development.

**Basic Professional Core.** Includes fundamental courses selected for their multidisciplinary relevance.

Contains two curricular lines: **Scientific Basis** and **Public Health**.

**Professional Core.** Includes discipline-specific courses that provide students with specialized education.

Contains four curricular lines: **Epidemiology, Pharmacology, Biostatistics, and Applied Research**.

**Capstone Core.** Aims to develop the skills required for preparing students for the completion and graduation phases of the program.

Contains two curricular lines: **Integration** and **Research**.



## Master's Degree in Healthcare Management

Educate Master's graduates in Health Institution Administration from an ethical and human perspective, developing management and evaluation skills with high administrative competitiveness in health institutions through the application of quality processes and tools, as well as administrative strategies, with the purpose of promoting an organizational culture centered on health institutions for the common good.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20241239

### Admission Profile

#### Knowledge

- Identifies mathematical concepts useful for administrative processes.
- Understands concepts related to health administration.
- Recognizes basic accounting concepts.
- Analyzes processes related to the quality of care required in health institutions.
- Identifies programs within the health care field.

#### Skills

- Applies statistical and epidemiological concepts to identify administrative needs in the health sector.
- Interprets statistical tools to apply administrative strategies in health.
- Demonstrates oral and written proficiency in administrative projects.
- Uses technological tools such as electronic devices, equipment, and platforms such as Zoom, Meet, and Blackboard.

#### Attitudes

- Values the importance of ethics in matters related to the health sector.
- Is aware of the well-being of individuals, demonstrating intercultural sensitivity and a commitment to non-discrimination.

#### Professional Skills

- Develops quality administrative strategies to improve customer service by applying tools from the health sector.
- Manages material, financial, and human resources ethically, effectively, and efficiently in health institutions to achieve institutional goals.
- Evaluates health-related norms and quality standards in medical units.
- Makes decisions that promote an organizational culture in the health field based on a value system that respects diversity and is open to community engagement.

#### Curriculum Map

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of five quarters, each lasting fourteen weeks. As an integral part of the academic education, the program includes a signature course—Bioethics. The remaining courses are curricular and specifically designed to align with the discipline, ensuring a coherent and integrative learning trajectory for the student.



## Master's Degree in Healthcare Management

Educate Master's graduates in Health Institution Administration from an ethical and human perspective, developing management and evaluation skills with high administrative competitiveness in health institutions through the application of quality processes and tools, as well as administrative strategies, with the purpose of promoting an organizational culture centered on health institutions for the common good.

Modality: Online

Campus: Puebla | RVOE Code: 20241239

### Admission Profile

#### Knowledge

- Identifies mathematical concepts useful for administrative processes.
- Understands concepts related to health administration.
- Recognizes basic accounting concepts.
- Analyzes processes related to the quality of care required in health institutions.
- Identifies programs within the health care field.

#### Skills

- Applies statistical and epidemiological concepts to identify administrative needs in the health sector.
- Interprets statistical tools to apply administrative strategies in health.
- Demonstrates oral and written proficiency in administrative projects.
- Uses technological tools such as electronic devices, equipment, and platforms such as Zoom, Meet, and Blackboard.

#### Attitudes

- Values the importance of ethics in matters related to the health sector.
- Is aware of the well-being of individuals, demonstrating intercultural sensitivity and a commitment to non-discrimination.

#### Professional Skills

- Develops quality administrative strategies to improve customer service by applying tools from the health sector.
- Manages material, financial, and human resources ethically, effectively, and efficiently in health institutions to achieve institutional goals.
- Evaluates health-related norms and quality standards in medical units.
- Makes decisions that promote an organizational culture in the health field based on a value system that respects diversity and is open to community engagement.

#### Curriculum Map

The curriculum map of the master's program is organized into two components: the Basic Professional Core and the Advanced Professional Core.

The curricular program comprises a total of five quarters, each lasting fourteen weeks. As an integral part of the academic education, the program includes a signature course—Bioethics. The remaining courses are curricular and specifically designed to align with the discipline, ensuring a coherent and integrative learning trajectory for the student.



## Doctorate Degree in Biotechnology

Educate Doctors in Biotechnology, from an ethical and human perspective, who integrate and apply scientific and technological knowledge in the environmental, agri-food, medical, and pharmaceutical biotechnology fields through the generation and innovation of multidisciplinary basic and applied science projects, in order to make an impact on various economic sectors in research, consulting, and bio-business within a sustainable framework.

Modality: Grounded

Campus: Puebla | RVOE Code: 2025724

### Admission Profile

#### Knowledge

- Integrates research projects based on foundations in chemistry, biochemistry, molecular biology, microbiology, and current legislation in biomedical sciences and related engineering fields.
- Interprets the scientific method for the development of research projects based on technical-scientific literature.
- Analyzes the environment to propose research projects that generate solutions.

#### Skills

- Implements laboratory techniques in microbiology, molecular biology, and biochemistry for the development of research projects.
- Uses a technical-scientific writing style based on internationally accepted guidelines.
- Applies the scientific method to research projects in biomedical sciences and related engineering fields.
- Presents ideas clearly and efficiently.
- Demonstrates command of basic laboratory and computing techniques.

#### Attitudes

- Works autonomously and collaboratively.
- Respects the dignity of living beings within a Bioethics framework.
- Respects the work and viewpoints of others.
- Commits to completing assigned projects.

#### Professional Skills

- Develops research projects based on medical, agri-food, or environmental biotechnology.
- Produces technical-scientific texts for national and international evaluation, promoting their dissemination.
- Carries out multidisciplinary collaborative work for the development of biotechnological research projects, fostering the training of human resources.
- Solves problems within their context in the areas of medical, agri-food, or environmental biotechnology under a bioethical approach.

#### Curriculum Map

The research doctorate curriculum is organized into two components: the basic professional core and the advanced professional core.

The curricular program comprises a total of four years and consists of 19 courses structured in fourteen-week quarter cycles. As an integral part of the training, the program includes a signature course—an elective in human education—with the following options: Transformative Leadership, Bioethics, or Philosophy of Science.

The program includes three required courses within the professional core. The academic committee defines two research lines as electives, consisting of three courses that may belong to the same program or to other master's degrees; among the options are the Seminars on Innovation, Updating, and Integration. The remaining twelve courses correspond to the research line.



# COLLEGE OF MEDICAL SCIENCES



# EDUCATIONAL OFFERINGS

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- Bachelor's Degree in Medicine
- Bachelor's Degree in Nursing
- Bachelor's Degree in Social Work
- Bachelor's Degree in Social Work Online
- Specialty in Anesthesiology
- Specialty in Clinical Laboratory Science
- Specialty in Clinical Pathology
- Specialty in Critical Care Medicine
- Specialty in Critical Care Nursing
- Specialty in Diagnostic and Therapeutic Imaging
- Specialty in Emergency Nursing
- Specialty in Family Medicine
- Specialty in Gastroenterology
- Specialty in General Surgery
- Specialty in Hematology
- Specialty in Internal Medicine
- Specialty in Maternal and Perinatal Health Nursing
- Specialty in Neonatal Nursing
- Specialty in Nephrology
- Specialty in Ophthalmology
- Specialty in Pediatric Nursing
- Specialty in Surgical Nursing
- Specialty in Surgical Oncology
- Specialty in Urology
- Specialty in Wound Care and Vascular Access Nursing
- Master's Degree in Nursing Science
- Master's Degree in Public Health
- Master's Degree in Public Health Online



## Bachelor's Degree in Medicine

Educate students in Medicine with an ethical and human approach, capable of addressing health needs at the local, national, and global levels, contributing to the common good through solid theoretical and practical education in basic, clinical, and sociomedical sciences, with the aim of preserving and restoring the health of individuals and communities.

Modality: Grounded

Campus: Puebla | RVOE Code: 20231677

### Admission Profile

#### Knowledge

- Recognizes basic mathematical concepts, including algebra and statistics.
- Distinguishes the foundations of physics, chemistry, and biology.
- Recognizes grammatical, orthographic, and syntactic rules of the Spanish language.
- Defines the sociological and anthropological bases of medical problems.
- Identifies the bio-psycho-social context at the regional and national levels.

#### Skills

- Communicates fluently, both orally and in writing, in their native language with semantic and orthographic accuracy.
- Works collaboratively in diverse teams.
- Reads articles in English, demonstrating reading comprehension.
- Applies basic computer skills such as Excel, Word, and PowerPoint.
- Demonstrates observation, analysis, and reflection skills oriented toward problem-solving.

#### Attitudes

- Demonstrates a vocation for service.
- Acts proactively and assertively.
- Shows an ethical, moral, and empathetic attitude in interpersonal relationships.

### Professional Skills

- Diagnoses the most prevalent pathologies across all age groups in the country by effectively and efficiently obtaining relevant information through traditional consultations or telemedicine, processing it logically and analytically in order to communicate findings effectively to patients and other members of the healthcare team.
- Develops management plans involving different members of the medical team to promote health, reduce risks, and limit damage in the most prevalent pathologies across all age groups, prioritizing patient needs.
- Designs preventive and health promotion actions at both individual and community levels in accordance with national regulations and the best available scientific evidence.
- Performs physical examination procedures on patients of all age groups for diagnostic, preventive, and prognostic purposes.
- Carries out non-hospital and hospital diagnostic and therapeutic procedures for the assessment and management of both healthy and ill patients, corresponding to the first level of care and selected procedures of the second level of care.
- Selects actions that respect human, ethical, bioethical, legal, and medical professionalism principles in all interactions with service recipients, considering diverse beliefs and political, social, educational, and cultural conditions.
- Uses, searches for, selects, evaluates, and generates theoretical, epidemiological, and clinical information to support medical decision-making.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map for the Bachelor's Degree includes propaedeutic courses, among which are University Life Guidance and Immersion, four language courses that students will take based on the results of their English placement exam, *Anatomophysiology*, and *Biological Processes*.

Regarding curricular courses, the study plan is organized into two tracks—basic professional and advanced professional—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, entrepreneurship, and Academic Computing.

**Basic Professional Core.** Common Core by Areas of Knowledge. Defined by areas of affinity within the college or by the combination of several colleges. It groups content that constitutes the foundation of professional education, with courses in the first half of the educational trajectory.

**Professional Core.** Disciplinary Education. Composed of essential courses for developing the graduate profile and corresponding professional skills.

**Elective Core.** Transdisciplinary Education. Consists of four elective courses selected from twelve to fifteen options, which complement the preparation of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Nursing

Educate Nursing students with an ethical and human perspective, capable of intervening in the holistic care of individuals, families, and communities in response to human and pathophysiological conditions, applying scientific, clinical, and technological knowledge in order to positively impact the determinants of the health-disease process.

Modality: Grounded

Campus: Puebla | RVOE Code: 20240794

### Admission Profile

#### Knowledge

- Recognizes the basic principles of the health sciences, such as biochemistry, biology, and anatomy.
- Identifies the application of physics and mathematics in the health sciences.
- Recognizes the importance of the use and application of Information and Communication Technologies (ICTs) in learning.
- Distinguishes the fundamentals of the English language.

#### Skills

- Plans personal and academic activities effectively.
- Implements collaborative teamwork actions.
- Applies critical thinking in everyday activities.
- Demonstrates skill in conflict management and decision-making.
- Uses communication and writing skills effectively.

#### Attitudes

- Demonstrates social responsibility and a service-oriented approach.
- Assumes a constant desire for leadership and self-improvement.
- Adopts an attitude of solidarity and empathy toward the environment.
- Shows respect for human dignity throughout the life cycle.
- Displays interest in moral principles and values.

#### Professional Skills

- Provides holistic care to individuals, families, and communities, considering the different stages of the life cycle within the health-disease process, based on the normative, legal, and ethical codes of the profession that contribute to improving their conditions.
- Applies nursing theories in the assessment, diagnosis, planning, and implementation of the nursing process during independent and collaborative interventions with the interdisciplinary healthcare team, ensuring integral care for individuals.
- Manages health promotion, prevention, and education activities to contribute to improving the determinants of the health-disease process of individuals, families, and communities with quality.
- Develops nursing research processes to contribute to solving current health problems and needs.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map for the Bachelor's Degree includes propaedeutic courses, among which are University Life Guidance and Immersion, two language courses that students will take based on the results of their English placement exam, and *Basic Mathematics for Health Sciences*.

Regarding curricular courses, the study plan is organized into two tracks—basic professional and advanced professional—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as humanistic education, languages, and entrepreneurship.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the dean's office or by the combination of several dean's offices. It groups content that constitutes the foundation of professional education, with courses located in the first half of the educational trajectory.

**Professional Core.** Disciplinary Education. Composed of essential courses for developing the graduate profile and the corresponding professional skills.

**Elective Core.** Transdisciplinary Education. Consists of four elective courses selected from twelve to fifteen options, which complement the preparation of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Social Work

Educate Social Work students from an ethical and human perspective, with critical thinking, a proactive approach, and social sensitivity, capable of intervening in the issues affecting individuals, groups, and communities through the application of theoretical, methodological, and procedural elements of social work, as well as the design and implementation of social projects in the fields of health, education, labor, and emerging social issues, with the aim of promoting human dignity and quality of life in both public and private organizations.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251736

### Admission Profile

#### Knowledge

- Differentiates information technology tools that allow access to new forms of learning.
- Identifies elements related to social problems.
- Distinguishes basic knowledge of the social sciences.
- Recognizes social welfare systems that address issues within their environment.

#### Skills and/or Abilities

- Communicates ideas clearly, both orally and in writing.
- Demonstrates analytical and synthesis skills for managing available information.
- Plans activities with responsibility and discipline.
- Uses Information and Communication Technologies (ICTs), as well as electronic devices, for learning purposes.
- Participates in collaborative teamwork activities.

#### Attitudes

- Shows interest in solving social problems.
- Values the importance of ethics in academic and social life.
- Acts with empathy toward the problems and needs of others.

- Shows interest in improving the living conditions of the population.

#### Professional Skills

- Proposes alternative solutions to social problems affecting individuals, families, groups, and communities, in collaboration with interdisciplinary teams to promote their well-being.
- Applies Social Work methodology as a strategy for addressing diverse social problems.
- Develops health education and promotion initiatives in diverse sociocultural contexts to promote change and contribute to enhancing people's living conditions.
- Designs social research projects based on scientific methodology for intervention in the fields of professional practice.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the Bachelor's Degree is divided into two areas—basic professional and advanced professional—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, entrepreneurship, and Digital Competencies.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that constitutes the foundation of professional education, comprising six courses.

**Professional Core. Disciplinary Education.** Composed of essential courses for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of two elective courses taken during the sixteenth and seventeenth academic cycles, selected from a list of ten options, which complement the preparation of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Social Work

Educate Social Work students from an ethical and human perspective, with critical thinking, a proactive approach, and social sensitivity, capable of intervening in the issues affecting individuals, groups, and communities through the application of theoretical, methodological, and procedural elements of social work, as well as the design and implementation of social projects in the fields of health, education, labor, and emerging social issues, with the aim of promoting human dignity and quality of life in both public and private organizations.

Modality: Online

Campus: Puebla | RVOE Code: 20251736

### Admission Profile

#### Knowledge

- Differentiates information technology tools that allow access to new forms of learning.
- Identifies elements related to social problems.
- Distinguishes basic knowledge of the social sciences.
- Recognizes social welfare systems that address issues within their environment.

#### Skills and/or Abilities

- Communicates ideas clearly, both orally and in writing.
- Demonstrates analytical and synthesis skills for managing available information.
- Plans activities with responsibility and discipline.
- Uses Information and Communication Technologies (ICTs), as well as electronic devices, for learning purposes.
- Participates in collaborative teamwork activities.

#### Attitudes

- Shows interest in solving social problems.
- Values the importance of ethics in academic and social life.
- Acts with empathy toward the problems and needs of others.

- Shows interest in improving the living conditions of the population.

#### Professional Skills

- Proposes alternative solutions to social problems affecting individuals, families, groups, and communities, in collaboration with interdisciplinary teams to promote their well-being.
- Applies Social Work methodology as a strategy for addressing diverse social problems.
- Develops health education and promotion initiatives in diverse sociocultural contexts to promote change and contribute to enhancing people's living conditions.
- Designs social research projects based on scientific methodology for intervention in the fields of professional practice.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the Bachelor's Degree is divided into two areas—basic professional and advanced professional—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, entrepreneurship, and Digital Competencies.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that constitutes the foundation of professional education, comprising six courses.

**Professional Core. Disciplinary Education.** Composed of essential courses for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of two elective courses taken during the sixteenth and seventeenth academic cycles, selected from a list of ten options, which complement the preparation of future professionals and prioritize content from other academic programs.



## Specialty in Anesthesiology

Educate specialists in Anesthesiology with a multidisciplinary, human, and ethical perspective, capable of performing anesthetic procedures that induce states of amnesia, hypnosis, analgesia, muscle relaxation, and neurovegetative protection in the care of surgical and non-surgical patients, with the aim of limiting harm and improving the patient's overall health levels.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20231678

### Admission Profile

#### Knowledge

- Explains the scientific foundations of medicine based on basic sciences.
- Distinguishes the usefulness of the clinical method, epidemiological method, and health research.
- Differentiates clinical and paraclinical methods.
- Recognizes diagnostic support tools (laboratory and imaging studies).
- Interprets scientific texts in English.

#### Skills

- Establishes diagnoses by systematically gathering information consistent with the patient's clinical condition.
- Applies critical thinking in the analysis of health problems.
- Makes decisions based on scientific knowledge.
- Performs basic diagnostic and therapeutic procedures in general medicine.
- Develops basic medical-surgical procedures.
- Manages information and communication technologies.
- Communicates clearly, both orally and in writing.

#### Attitudes

- Demonstrates interest in research in the health field.
- Shows willingness to work collaboratively and as part of a team.
- Exhibits respectful and empathetic behavior.
- Assumes professional responsibilities with leadership and critical thinking.
- Is aware of the importance of innovation and development.

#### Professional Skills

- Effectively and efficiently applies knowledge of anesthesiology, resuscitation, and pain management in medical and therapeutic practices, through the recognition of the patient's medical history, clinical condition, and professional practice environment.
- Establishes procedural protocols in anesthesiology for the prevention, diagnosis, treatment, and rehabilitation of patients.
- Administers general, regional, and specialized anesthesia, proactively collaborating within multidisciplinary and interdisciplinary teams.
- Conducts clinical research in anesthesiology that contributes to the innovation of healthcare strategies, with a bioethical approach and the application of the scientific method.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the specialty is organized into two academic cores: the basic professional and the advanced professional. The curriculum project has a total duration of three years, structured into 22-week semester cycles. As an integral part of the education and within its course offerings, a hallmark course is included: Bioethics. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for the student.



## Specialty in Clinical Laboratory Science

Educate specialists in Clinical Laboratory Science with an ethical and human approach, capable of managing clinical laboratory care, research, and administrative processes through the application of current national and international standards, the foundations of translational medicine, and quality management systems, in order to implement innovative laboratory tests aimed at the prevention, diagnosis, and treatment of communicable and non-communicable diseases.

Modality: Grounded

Campus: Puebla | RVOE Code: 20231674

### Admission Profile

#### Knowledge

- Recognizes the theoretical foundations of Microbiology, Hematology, Immunology, Clinical Chemistry, and Molecular Biology.
- Identifies the fundamentals of the research process.
- Distinguishes advances in laboratory science.
- Identifies analytical quality control systems.
- Identifies bibliographic information repositories in laboratory medicine.

#### Skills

- Skillfully operates clinical laboratory instruments.
- Demonstrates effective oral and written communication.
- Manages scientific documents in English at an intermediate level.
- Applies critical and logical thinking in decision-making.
- Demonstrates technological and digital skills.

#### Attitudes

- Adheres to medical ethics.
- Performs duties with a service-oriented vocation.
- Acts with a sense of order, organization, and initiative.

- Behaves responsibly.
- Shows willingness for integration and teamwork.

#### Professional Skills

- Applies analytical methods in laboratory testing using cutting-edge technologies for the prevention, diagnosis, and treatment of diseases, promoting health.
- Manages basic and specialized clinical laboratory processes under quality control systems, in collaboration with interdisciplinary medical teams, to resolve operational issues.
- Implements biomedical research processes based on the scientific method to develop and innovate laboratory tests, as well as to disseminate results in writing.

#### Curriculum Map

The curriculum map of the specialty is organized into two academic cores: the basic professional and the advanced professional. The curriculum project has a total duration of three years, structured into 22-week semester cycles. As an integral part of the education and within its course offerings, a hallmark course is included: Bioethics. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for the student.



## Specialty in Clinical Pathology

Educate specialists in Clinical Pathology, with a human approach and professional ethics, who are capable of diagnosing, monitoring, and providing timely and appropriate prognoses of human diseases through the application of techniques and methods in the clinical laboratory, supported by quality management systems, instrumentation, and clinical correlation, in order to deliver scientific medical care at the state, national, and international levels.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20221182

### Admission Profile

#### Knowledge

- Distinguishes the scientific foundations of general medicine.
- Recognizes the bases of the clinical method.
- Describes the fundamentals of epidemiology.
- States the principles of basic statistics.

#### Skills

- Always provides respectful and appropriate patient care.
- Communicates technically and effectively, both orally and in writing.
- Works effectively as part of a team.
- Demonstrates analytical skills.
- Has an intermediate level of proficiency in the English language.
- Uses commercial software applications.
- Plans and organizes professional activities.

#### Attitudes

- Demonstrates a clear interest in the specialty.
- Shows responsibility and honesty.
- Acts with tolerance toward others.
- Adheres to medical ethics.
- Displays willingness to work.

- Shows interest in research.
- Proposes new ideas.
- Provides unconditional support to patients.
- Is self-motivated.

#### Professional Skills

- Applies analytical methods in laboratory testing using cutting-edge technologies for the prevention, diagnosis, and treatment of diseases, promoting health.
- Manages basic and specialized clinical laboratory processes under quality control systems, in collaboration with interdisciplinary medical teams, to resolve operational issues.
- Implements biomedical research processes based on the scientific method to develop and innovate laboratory tests, as well as to disseminate results in writing.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map for the specialty comprises 27 courses and is organized into academic cores that represent the progression of courses throughout the curriculum. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education under the UPAEP profile. It includes one curricular line: Human Development.

**Basic Professional Core:** Concentrates on foundational courses within the curriculum project, selected for their multidisciplinary approach. It includes four curricular lines: Methodology, Instrumentation, Foundations of Chemistry, and Human Pathology.

**Professional Core:** Comprises discipline-specific courses that allow students to develop specialized education. It includes three curricular lines: Advanced Instrumentation, Clinical Correlation, and Integrated Pathology.

**Capstone Core:** Aimed at the development of skills required for the completion and graduation phase of the academic program. It includes one curricular line: Research.



## Specialty in Critical Care Medicine

Educate specialists in Critical Care Medicine, with an ethical and human approach, who apply clinical foundations in human beings with medical and/or surgical conditions through the performance, recognition, and intensive management of the various diagnoses of medical and surgical diseases, with the purpose of restoring the patient's well-being and health.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20141203

### Admission Profile

#### Knowledge

- Distinguishes concepts of general medicine.
- Demonstrates prior knowledge in the specialty core of Internal Medicine, or integral knowledge in Medical-Surgical Emergencies or Anesthesiology.
- Distinguishes basic concepts of Clinical Biochemistry and Imaging.
- Interprets semiology and physical examination techniques, as well as the application of scientifically based observation.
- Integrates scientific knowledge based on clinical analysis.

#### Skills

- Uses and interprets scientific texts in English and Spanish to strengthen professional knowledge.
- Performs general medicine diagnoses to identify acute complications in patients.
- Places invasive devices for global patient measurement and monitoring.
- Conducts integral evaluations of critically ill patients to promptly identify intervention needs.
- Makes decisions in critical situations when required.

#### Attitudes

- Values and integrates teamwork, recognizing the role of leaders and collaborators, and supervises assigned activities.
- Acts ethically and with human quality in the care provided to patients.
- Values the importance of self-directed learning in the education process.

#### Professional Skills

- Conducts integral evaluations of critically ill patients, establishing life-support needs for the specific management of organ dysfunctions in a timely manner and prioritizing the management of vital organ failure.
- Performs structural diagnosis of organs and systems to guide the therapeutic management required by critically ill patients.
- Executes the placement of invasive devices at different organ and system levels for monitoring and treatment of various organ dysfunctions.
- Conducts clinical research and interprets results from previous studies to implement findings according to the local population and infrastructure.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the specialty is organized into two academic cores: the basic professional core and the advanced professional core. The curriculum project has a total duration of two years, structured into 22-week semester cycles. As an integral part of the education and within its course offerings, a hallmark course is included: Bioethics. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for the student.



## Specialty in Critical Care Nursing

Educate specialists in Critical Care Nursing, with an ethical and human approach, who provide care to critically ill patients by implementing therapeutic procedures and utilizing technological equipment to stabilize health conditions and restore vital functions.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20220824

### Admission Profile

#### Knowledge

- Identifies general and specific nursing care practices.
- Differentiates the basic stages of the nursing research process.
- Describes the anatomy and physiology of the human body.

#### Skills

- Uses technological tools such as Word, Excel, and PowerPoint.
- Provides general and specific nursing care.

#### Attitudes

- Shows interest in teamwork.
- Demonstrates interest in establishing interpersonal relationships.
- Displays a service-oriented attitude and vocation.

#### Professional Skills

- Incorporates ethical codes and legal standards to protect the physical, mental, and social integrity of critically ill patients.
- Performs high-quality therapeutic care techniques and procedures to reduce adverse events and lower

hospitalization rates in critical care services, without cultural discrimination.

- Applies nursing interventions based on decision-making that contribute to the treatment and rehabilitation of critically ill patients, facilitating their reintegration into their family and social context without sequelae.
- Designs nursing research projects to generate knowledge that promotes education, health, and a reduction in admissions to critical care services.

### Curriculum Map

The curriculum map for the specialty consists of 14 courses and is organized into academic cores that represent the progression of courses throughout the curriculum. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student development in accordance with the UPAEP profile. It includes one curricular line: Human Development.

**Professional Core:** Includes discipline-specific courses that provide specialized education. It consists of two curricular lines: Education and Health Management, and Nursing Interventions in Critical Care.

**Capstone Core:** Aimed at developing skills required for the completion and graduation phase of the academic program. It includes one curricular line: Research.



## Specialty in Diagnostic and Therapeutic Imaging

Educate specialists in Diagnostic and Therapeutic Imaging, with an ethical and human approach, who evaluate images obtained through different imaging methods and radiological and interventional procedures, using diagnostic imaging technologies and their various techniques and procedural modalities with radiation, without ionizing radiation, and/or therapeutic procedures, in order to provide a complete and integral clinical evaluation of the patient, support clinical and paraclinical diagnosis, guide indicated medical-surgical treatment, and contribute to rehabilitation and discharge.

Modality: Grounded

Campus: Puebla | RVOE Code: 20221175

### Admission Profile

#### Knowledge

- Distinguishes basic concepts in topographic and pathological anatomy.
- Describes basic concepts of human physiology.
- Identifies fundamental principles of immunology.
- Recognizes concepts of microbiology and parasitology.

#### Skills

- Performs systematized observation with scientific health-based foundations.
- Reads texts in English.
- Demonstrates ease in interpersonal relationships.
- Communicates assertively.
- Applies critical thinking to solve problems.

#### Attitudes

- Shows interest in human life and well-being.
- Respects the integrity and individuality of individuals.
- Acts with initiative and social awareness.
- Demonstrates ethical commitment.

### Professional Skills

- Analyzes and evaluates radiological signs in a specialized manner across all imaging modalities.
- Accurately identifies anatomical structures using different imaging techniques to determine normal and pathological findings in patients.
- Examines follow-up studies to comprehensively assess treatment response and guide subsequent therapeutic processes in patient management.
- Develops specific analyses of major pathologies using various imaging methods to ensure accurate disease management and improve patient prognosis.

### Curriculum Map

The curriculum map for the specialty consists of 22 courses and is organized into academic cores that represent the progression of courses throughout the curriculum. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student development in accordance with the UPAEP profile. It includes one curricular line: Human Development.

**Basic Professional Core:** Concentrates on foundational courses within the curriculum project, selected for their multidisciplinary approach. It includes two curricular lines: Didactics, and Imaging Basic Sciences.

**Professional Core:** Comprises discipline-specific courses that provide specialized education. It includes five curricular lines: Musculoskeletal Study, Women's Imaging, Pediatrics, Neuroimaging, and Vascular Imaging.

**Capstone Core:** Focused on the development of skills required for program completion and graduation. It includes two curricular lines: Integration and Research.



## Specialty in Emergency Nursing

Educate specialists in Emergency Nursing, with an ethical and human approach, who intervene in solving medical and surgical emergencies, providing basic and advanced life support, and applying the nursing care process methodology based on the use of applicable official standards in high-specialty procedures and interventions, in order to stabilize patients and optimize care.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20220825

### Admission Profile

#### Knowledge

- Describes the anatomy and physiology of the human body.
- Identifies general and specific nursing care practices.
- Differentiates the basic stages of the nursing research process.

#### Skills

- Uses basic computer software packages such as Word, Excel, and PowerPoint.
- Uses basic instruments to perform human care procedures.
- Applies self-care criteria and healthy lifestyle practices in relation to the environment.

#### Attitudes

- Values teamwork.
- Shows interest in establishing interpersonal relationships.
- Demonstrates a service-oriented attitude and vocation.

### Professional Skills

- Applies ethical codes and legal standards to protect the physical, mental, and social integrity of patients during emergency care.
- Makes decisions that incorporate the nursing process methodology in emergency settings, respecting patients' values and cultural principles.
- Uses therapeutic resources and technological equipment, based on expertise in their use, to support the care of patients in emergencies.
- Designs nursing research projects to generate knowledge that strengthens care in emergency health situations, in compliance with research standards and ethical codes.

### Curriculum Map

The curriculum map for the specialty consists of 14 courses and is organized into academic cores that represent the progression of courses throughout the curriculum. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student development in accordance with the UPAEP profile. It includes one curricular line: Human Development.

**Professional Core:** Comprises discipline-specific courses that provide specialized education. It includes two curricular lines: Education and Health Management, and Interventions in Emergency Nursing.

**Capstone Core:** Focused on the development of skills required for program completion and graduation. It includes one curricular line: Research.



## Specialty in Family Medicine

Educate specialists in Family Medicine with a strong ethical and human commitment, who provide integral medical care to individuals and their families through preventive, educational, clinical, administrative, rehabilitation, and clinical research actions, in order to promote the biopsychosocial well-being of individuals and their families.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241201

### Admission Profile

#### Knowledge

- Synthesizes information by identifying the most relevant elements of analyzed readings.
- Recognizes the importance of statistics and its main applications in health-related studies.
- Distinguishes basic knowledge of General Medicine, including anatomy, physiology, biochemistry, pathophysiology, community medicine, public health, and epidemiology.
- Recognizes the integral needs of patients, their families, and the community.
- Identifies basic knowledge of deontology.
- Distinguishes basic knowledge of clinical and paraclinical studies.
- Recognizes national and regional health policies, plans, and programs, and their importance in expanding individual and collective health benefits.

#### Skills

- Operates basic medical instruments and equipment.
- Clearly expresses ideas both orally and in writing.
- Performs critical reading of specialized medical literature.
- Prepares basic scientific documents.
- Uses basic word processors, spreadsheets, and presentation software on technological devices (basic computing skills).
- Applies a basic level of proficiency in the English language.
- Prepares a complete medical history containing all relevant information, as well as other medical records,

clearly and understandably.

- Performs basic medical-surgical procedures for the diagnosis and treatment of the most common diseases.
- Applies critical judgment in the prevention, diagnosis, prognosis, treatment, and recovery of patients with common conditions, as well as in crisis management situations.
- Applies critical thinking in the analysis of health problems.
- Identifies relevant medical literature within the professional field.
- Applies information and communication technologies in medical practice.
- Develops basic research protocols.
- Makes medical decisions based on scientific knowledge.
- Demonstrates self-directed learning skills.

#### Attitudes

- Shows interest in working within interdisciplinary teams.
- Assumes social commitment to the community.
- Seeks to strengthen interpersonal relationships and communication.
- Performs medical practice with a service-oriented approach.
- Shows interest in clinical, educational, administrative, and health research activities.

#### Professional Skills

- Develops family health studies using a risk-based approach to implement individual and family interventions in collaboration with multidisciplinary and interdisciplinary teams.
- Provides medical care in the field of Family Medicine using a biopsychosocial approach to improve the quality of life of patients and their families.
- Proposes, designs, and conducts applied and clinical research projects in Family Medicine to contribute knowledge to the scientific community, considering bioethical principles.
- Designs and develops educational programs in Family Medicine for the continuing and lifelong education of healthcare personnel and the community.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the specialty is organized into two academic cores: the basic professional core and the advanced professional core. The curriculum project has a total duration of three years, structured into 22-week semester cycles. As an integral part of the education and within its course offerings, a hallmark course is included: Bioethics. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for the student.



## Specialty in Gastroenterology

Educate specialists in Gastroenterology who, with a biomedical, clinical, ethical, and human approach, integrate the diagnosis, treatment, and follow-up of digestive diseases through appropriate clinical evaluation, including the interpretation of alterations affecting the digestive tract, esophagus, stomach, intestines, colon, pancreas, liver, and biliary system, with the aim of promoting the patient's overall health.

Modality: Grounded

Campus: Puebla | RVOE Code: 20231675

### Admission Profile

#### Knowledge

- Distinguishes clinical and paraclinical methods.
- Recognizes diagnostic support tools (laboratory and imaging studies).
- Recognizes principles of clinical epidemiology and statistics.
- Recognizes embryological, anatomical, and physiological foundations of the digestive system.

#### Skills

- Performs basic medical procedures for diagnosis and treatment in accordance with protocols established in clinical practice guidelines.
- Demonstrates observation and analytical skills.
- Applies critical thinking in the analysis of health problems.
- Develops basic research protocols.
- Makes decisions based on scientific knowledge.
- Applies critical judgment in the prevention, diagnosis, prognosis, treatment, and recovery of patients.
- Clearly expresses ideas both orally and in writing.
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#### Attitudes

- Shows interest in medical sciences.
- Demonstrates ease in establishing interpersonal relationships.
- Values the importance of leadership.
- Shows interest in community service.
- Demonstrates concern for human values.
- Values honesty and integrity.
- Acts consistently and ethically in medical practice.

#### Professional Skills

- Performs accurate diagnoses in patients with digestive diseases, incorporating paraclinical, endoscopic, and digestive physiology studies.
- Establishes medical, endoscopic, and surgical therapeutic pathways for patients with digestive diseases, under a multidisciplinary and interdisciplinary, patient-centered approach.
- Applies screening and early detection methods for chronic-degenerative and oncological diseases of the digestive system, in order to achieve timely diagnoses that benefit patients.
- Develops clinical and translational research projects on digestive diseases, applying the scientific method and adhering to local and international bioethical regulations.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the specialty is organized into two academic cores: the basic professional core and the advanced professional core. The curriculum project has a total duration of three years, structured into 22-week semester cycles. As an integral part of the education and within its course offerings, a hallmark course is included: Bioethics. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for the student.



## Specialty in General Surgery

Educate specialists in General Surgery, with an ethical and human approach, who provide medical care in the prevention, diagnosis, and medical and surgical treatment of surgical pathology, applying theoretical foundations as well as medical and/or surgical techniques across different clinical and therapeutic settings, including initial and follow-up outpatient care, and providing continuous follow-up of the treatment delivered, in order to resolve the patient's condition and improve quality of life.

- Applies modern, updated, and cutting-edge surgical methods and procedures with precision to promote patient well-being and improve quality of life.
- Detects postoperative complications in a timely manner to prevent sequelae and severe complications in patients.
- Provides continuous follow-up of surgical outcomes to enhance health-related quality of life and family functionality.

Modality: Grounded

Campus: Puebla | RVOE Code: 20231669

### Admission Profile

#### Knowledge

- Analyzes the basic foundations of medicine.
- Distinguishes concepts of anatomy and biochemistry.
- Describes the fundamentals of physiology.

#### Skills

- Applies critical thinking in the analysis of health problems.
- Uses semiological and physical examination techniques in medical practice.
- Applies systematized observation based on scientific health principles.

#### Attitudes

- Values ethical and humanistic aspects related to patient care.
- Respects the dignity of the human person.
- Demonstrates concern for patient well-being.
- Values teamwork.

#### Professional Skills

- Conducts integral evaluations of laboratory and imaging studies to provide accurate diagnoses and integrated management of patient conditions.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map for the specialty consists of 48 courses and is organized into academic cores that represent the progression of courses throughout the curriculum. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student development in accordance with the UPAEP profile. It includes one curricular line: Human Development.

**Basic Professional Core:** Concentrates on foundational courses within the curriculum project, selected for their multidisciplinary approach. It includes three curricular lines: Didactics, Principles and Foundations of General Surgery, and Integrated Health Care.

**Professional Core:** Comprises discipline-specific courses that provide specialized education. It includes ten curricular lines: Management of Sepsis, Management of Burns, Digestive Tract Diseases, Diseases of Other Organs, Diseases of the Abdominal Cavity and Retroperitoneum Organs, Neck Diseases, Surgery for Children, Genitalia Diseases, Surgical Pathology of Other Organs and Systems, and Medical Professionalism.

**Capstone Core:** Focused on the development of skills required for program completion and graduation. It includes two curricular lines: Integration and Research.



## Specialty in Hematology

For admission to the Specialty in Hematology, applicants are required to have general knowledge of Internal Medicine (one year) and to be humanistic and ethical professionals with a vocation for integral care of hematological patients. Candidates must demonstrate responsibility in their personal and professional conduct, the ability to work as part of a team, a high level of tolerance to frustration, and analytical, critical, and balanced clinical judgment. Applicants must also have basic reading proficiency in medical and scientific documents in the English language.

Modality: Grounded

Campus: Puebla | RVOE Code: 20231671

### Admission Profile

#### Knowledge

- Distinguishes clinical and paraclinical methods.
- Recognizes laboratory and imaging studies (diagnostic support tools).
- Interprets scientific texts in English.
- Recognizes local epidemiology.

#### Skills

- Performs basic medical-surgical procedures for diagnosis and treatment.
- Demonstrates observation and analytical skills.
- Applies critical thinking in the analysis of health problems.
- Develops basic research protocols.
- Makes decisions based on scientific knowledge.
- Applies critical judgment in the prevention, diagnosis, prognosis, treatment, and recovery of patients.
- Demonstrates the ability to work collaboratively.
- Clearly expresses ideas both orally and in writing.

#### Attitudes

- Demonstrates ease in establishing interpersonal relationships.

- Values the importance of leadership.
- Shows interest in community service.
- Demonstrates concern for human values.
- Assumes an assertive attitude.
- Values honesty and integrity.
- Acts with responsibility, commitment, and empathy.
- Acts consistently and ethically in medical practice.
- Shows interest in medical sciences.
- Is committed to altruism and to a humanistic and social conscience.

#### Professional Skills

- Implements medical practices that prevent and/or reduce complications of hematological diseases through recognition of the natural history of diseases and the application of prophylactic intervention measures under a multidisciplinary and interdisciplinary approach.
- Diagnoses hematological pathologies through the knowledge and use of laboratory and imaging resources, by collecting, integrating, synthesizing, and analyzing clinical information combined with appropriate paraclinical resources.
- Establishes treatment programs and invasive procedures in hematology, based on mastery of therapeutic regimens and modalities.
- Conducts clinical research with academic rigor on hematological diseases such as leukemias, myeloma, lymphomas, aplastic anemia, chronic myeloproliferative disorders, and benign hematological conditions, applying the scientific method and clinical research methodology.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the specialty is organized into two academic cores: the basic professional core and the advanced professional core. The curriculum project has a total duration of three years, structured into 22-week semester cycles. As an integral part of the education and within its course offerings, a hallmark course is included: Bioethics. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for the student.



## Specialty in Internal Medicine

Educate Medical Specialists in Internal Medicine with an ethical, human, and service-oriented approach, who master the different disciplinary fields of Internal Medicine through the prevention, diagnosis, treatment, and rehabilitation of adult patients with highly prevalent, chronic-degenerative diseases and/or conditions that are difficult to diagnose. Graduates integrate educational and research activities into their expert medical care practice, with the goal of promoting patient well-being and quality of life, contributing to the advancement of scientific knowledge in medicine.

Modality: Grounded

Campus: Puebla | RVOE Code: 20231670

### Admission Profile

#### Knowledge

- Identifies physiological and pathophysiological characteristics of medicine in the nosological, clinical, and surgical fields.
- Recognizes clinical skills related to diagnosis, prognosis, treatment, and rehabilitation.
- Identifies the main health risks in order to initiate timely diagnosis and treatment.

#### Skills

- Demonstrates efficient general medical care.
- Applies the foundations of research methodology in a reflective, critical, and creative manner.

#### Attitudes

- Shows a preference for objective decision-making.
- Acts with availability and a service-oriented attitude.
- Is aware of the importance of ethical and human values in professional practice.

#### Professional Skills

- Performs complex diagnostic processes, including emergency cases, provided they do not require

general anesthesia, use of the operating room, or highly complex technological equipment, with a human and service-oriented approach.

- Establishes ethical and rational medical treatment according to the clinical scenario, considering risk-benefit analysis and the prevention of complications.
- Develops and disseminates clinical research projects, prioritizing the study of hospital medicine in order to have a positive impact on it.
- Participates in multidisciplinary and interdisciplinary teams in teaching training, and in the development of educational plans aimed at health professionals who care for patients with multiple pathologies.

### Curriculum Map

The curriculum map of the specialty consists of 50 courses and is divided into cores that represent the progression of courses throughout the curricular project. These cores are, in turn, divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student education under the UPAEP profile. It includes one curricular line: Human Development.

**Basic Professional Core.** Concentrates on essential courses of the curricular project, selected based on multidisciplinary criteria. It includes one curricular line: Clinical I: Basic Sciences and Semiology.

**Professional Core.** Includes discipline-specific courses that allow students to acquire specialized education. It comprises four curricular lines: Clinical II: Nosology and Propedeutics; Clinical III: Differential Diagnosis and Treatment; Management, and Integration and Diagnosis.

**Capstone Core.** Its purpose is the development of skills to prepare students for the completion and graduation phase of the academic program. It consists of two curricular lines: Integration and Research.



## Specialty in Maternal and Perinatal Health Nursing

Educate specialists in Maternal and Perinatal Health Nursing with an ethical and human perspective, who provide care services to women of reproductive age during childbirth and the postpartum period, as well as to newborns during the perinatal stage, through the design and application of integrative models of specialized perinatal health care. This aims to establish timely diagnoses for the identification and prevention of risk factors and to achieve successful reproductive health.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220823

### Admission Profile

#### Knowledge

- Differentiates the basic stages of the nursing research process.
- Describes the anatomy and physiology of the female reproductive system.
- Identifies the functions and responsibilities performed by nursing professionals.

#### Skills

- Manages basic computer software packages, including Word, Excel, and PowerPoint.
- Uses basic instruments to apply human care procedures.
- Applies self-care criteria and healthy lifestyle practices in relation to the environment.

#### Attitudes

- Demonstrates a service-oriented attitude and vocation.
- Respects the patient's physical integrity.
- Shows concern for addressing the patient's physiological functions.

### Professional Skills

- Incorporates codes of ethics and legal regulations in favor of physical, mental, and social integrity during the care provided throughout pregnancy, childbirth, the postpartum period, and to the newborn.
- Applies health management and promotion processes based on decision-making to prevent risk factors in maternal and perinatal health and to integrate care within the family unit.
- Develops nursing interventions using clinical processes and highly specialized equipment to provide a timely impact on maternal and perinatal health care, supporting development within the family and society.
- Designs nursing research projects to generate knowledge that promotes maternal and perinatal health.

### Curriculum Map

The curriculum map of the specialty consists of 14 courses and is divided into **Core areas** that represent the progression of courses throughout the curricular project. These cores are, in turn, divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student education under the UPAEP profile. It includes one curricular line: Human Development.

**Professional Core.** Includes discipline-specific courses that allow students to acquire specialized education. It includes two curricular lines: Education and Health Management; and Nursing Interventions in Maternal and Perinatal Health.

**Capstone Core.** Its purpose is the development of skills to prepare students for the completion and graduation phase of the academic program. It consists of one curricular line: Research.



## Specialty in Neonatal Nursing

Educate specialists in Neonatal Nursing with an ethical and human approach, capable of intervening in the care of the newborn during the neonatal stage with a preventive focus; using materials and equipment in the development of highly specialized, integral care strategies, in order to stabilize the patient's pathophysiological condition and promote growth and development with minimal sequelae.

- Carries out health promotion and education activities for the benefit of reproductive health.
- Performs nursing interventions to meet the needs of the newborn, in accordance with service quality standards.
- Applies the scientific method in nursing practice to address the needs of the newborn, family, and community in a structured, coherent, logical, and systematic manner.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220826

### Admission Profile

#### Knowledge

- Identifies the basic stages of the nursing research process.
- Describes fundamental concepts of embryology.
- Differentiates general and specific nursing techniques and procedures.

#### Skills

- Uses technological tools such as Word, Excel, and PowerPoint.
- Demonstrates the ability to make rapid decisions.
- Applies safety measures in nursing services.

#### Attitudes

- Shows interest in teamwork.
- Demonstrates a service-oriented attitude and vocation.
- Respects the patient's physical integrity.

#### Professional Skills

- Applies ethical codes and legal standards in favor of the physical, mental, and social integrity of the newborn.

### Curriculum Map

The curriculum map of the specialty consists of 14 courses and is organized into academic cores that represent the progression of courses throughout the curriculum. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education in accordance with the UPAEP profile. It includes one curricular line: Human Development.

**Professional Core:** Comprises discipline-specific courses that allow students to develop professional education. It includes two curricular lines: Education and Health Management, and Interventions in Neonatal Nursing.

**Capstone Core:** Its purpose is to develop skills that prepare students for the final phase and graduation of the academic program. It includes one curricular line: Research.



## Specialty in Nephrology

Educate specialists in nephrology with a focus on excellence, humanism, biomedicine, multidisciplinary, and ethics, with a commitment to social responsibility, who provide medical care to patients with kidney disease, analyzing, interpreting, and evaluating renal pathology in order to establish the required clinical or surgical nephrological treatment.

- Demonstrates consistency with the ethics and professional codes established by society and the medical community during clinical practice.
- Acts with discipline, order, and punctuality.
- Is committed to quality, warmth, and availability to care for patients and their families.
- Demonstrates responsibility, honesty, and respect in all actions.
- Seeks self-improvement and self-learning.

Modality: Grounded

Campus: Puebla | RVOE Code: 20231676

### Admission Profile

#### Knowledge

- Identifies the foundations of scientific methodology.
- Analyzes scientific texts in English (books, journals, scientific articles, etc.).
- Argues relevant medical knowledge that allows for decision-making.
- Identifies health standards, as well as the integration and management of clinical records.

#### Skills

- Uses clinical and scientific skills for the integration of diagnosis and treatment.
- Uses digital media (websites, high-impact scientific journals, etc.).
- Uses basic knowledge of medical statistics and methodology.
- Works in a multidisciplinary manner.
- Interprets laboratory and office studies from a nephrological perspective.

#### Attitudes

- Demonstrates ethical principles in clinical practice and research.
- Acts with a sense of institutional belonging.

### Professional Skills

- Applies medical practices that prevent and reduce complications from kidney disease through prevention, timely diagnosis, and integral patient care.
- Diagnoses nephrological diseases through clinical, biochemical, imaging, and histopathological knowledge by integrating and synthesizing combined information.
- Establishes invasive and non-invasive treatments and procedures in nephrology based on evidence-based medicine and a multidisciplinary approach.
- Conducts clinical research with academic rigor and a bioethical approach to nephrological diseases, applying clinical and basic research methodology.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map for the specialty is organized into two cores: basic professional and advanced professional. The curriculum project has a total duration of three years, structured in 22-week semester cycles. As an integral part of the education and within its courses, a UPAEP Identity course is included, which is Bioethics. The remaining courses are curricular and are specifically designed to align with the discipline, thereby ensuring an integral and coherent educational trajectory for the student.



## Specialty in Ophthalmology

Educate specialists in Nephrology with an excellence-driven, human, biomedical, multidisciplinary, and ethical approach, and with social commitment, who provide medical care to patients with renal diseases by analyzing, interpreting, and evaluating renal pathology in order to establish the required nephrological clinical or surgical treatment.

- Applies state-of-the-art technology to provide integral ophthalmological care, both in outpatient consultation and in the operating room.
- Conducts basic clinical research to propose therapeutic, medical, and surgical treatments in public and/or private healthcare settings.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20221177

### Admission Profile

#### Knowledge

- Distinguishes general medical knowledge.
- Identifies general practices related to operating room management.
- Explains the importance of timely diagnosis in disease management.

#### Skills

- Demonstrates basic surgical skills.
- Uses office tools to prepare medical records.
- Performs physical examinations ethically.

#### Attitudes

- Values the importance of the main signs and symptoms in ophthalmological pathology.
- Shows respect toward patients and coworkers.
- Demonstrates empathy toward patients' conditions.
- Values the importance of autonomous learning in professional practice.

#### Professional Skills

- Performs ophthalmological diagnoses with emphasis on diseases with the greatest impact on visual health, as well as the most common ocular diseases in the population.

### Curriculum Map

The curriculum map of the specialty consists of 31 courses and is organized into **cores** that represent the progression of courses throughout the curricular project. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education in accordance with the UPAEP profile. Includes one curricular line: Human Development.

**Basic Professional Core:** Concentrates on foundational courses of the curriculum, selected for their multidisciplinary approach. Includes two curricular lines: Didactics, and Ophthalmology Basic Sciences.

**Professional Core:** Includes discipline-specific courses that allow students to develop specialized professional education. Includes two curricular lines: Sociomedical Sciences, and Eye Clinic.

**Capstone Core:** Focuses on developing the skills required for program completion and graduation. Includes two curricular lines: Integration and Research.



## Specialty in Pediatric Nursing

Educate specialists in Pediatric Nursing with an ethical and human approach, capable of intervening in the care of pediatric patients and designing integral care strategies with a preventive focus; through the application of clinical practice guidelines based on human responses, in order to increase quality and safety, promote child growth and development, and integrate the child into the family unit with minimal sequelae.

- Carries out health promotion and education activities focused on child care at home.
- Performs nursing interventions in accordance with pediatric nursing service quality standards to meet patient needs.
- Designs research projects related to the care of pediatric patients.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20220822

### Admission Profile

#### Knowledge

- Distinguishes the organization and functioning of a nursing service.
- Differentiates the basic stages of the nursing research process.
- Describes the anatomy and physiology of the human body.

#### Skills

- Uses basic computer software packages such as Word, Excel, and PowerPoint.
- Demonstrates the ability to make rapid decisions.
- Performs general and specific nursing procedures.

#### Attitudes and Values

- Shows interest in teamwork.
- Demonstrates interest in establishing interpersonal relationships.
- Shows a service-oriented attitude and vocation.

#### Professional Skills

- Applies ethical codes and legal regulations in favor of the physical, mental, and social integrity of pediatric patients.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the specialty consists of 14 courses and is organized into cores that represent the progression of courses throughout the curricular project. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education in accordance with the UPAEP profile. Includes one curricular line: Human Development.

**Professional Core:** Includes discipline-specific courses that allow students to develop professional education. Includes two curricular lines: Education and Health Management, and Interventions in Pediatric Nursing.

**Capstone Core:** Focuses on developing the skills required for program completion and graduation. Includes one curricular line: Research.



## Specialty in Surgical Nursing

Educate specialists in Surgical Nursing with an ethical and human approach, capable of intervening in the planning, implementation, and evaluation of specialized patient care, grounded in scientific principles, using methodologies for the prevention, identification, and resolution of problems in the surgical area, through the interpretation and application of regulations, in order to contribute to improving quality of life and achieving patient integration into the family and social context.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241231

### Admission Profile

#### Knowledge

- Differentiates the basic stages of the nursing research process.
- Identifies the organization and functioning of the surgical service.
- Recognizes aseptic techniques in the surgical area.
- Explains basic concepts of pharmacology.

#### Skills

- Demonstrates the ability to make rapid decisions.
- Uses basic surgical instruments to apply human care procedures.
- Applies self-care criteria and healthy lifestyle practices in relation to the environment.
- Uses information and communication technologies.

#### Attitudes and Values

- Shows willingness to work as part of a team.
- Demonstrates a service-oriented vocation.
- Shows concern for addressing the patient's physiological functions.

#### Professional Skills

- Applies ethical codes and legal regulations in favor

of the physical, mental, and social integrity of patients during the preoperative, intraoperative, and postoperative stages.

- Develops educational actions to promote self-care in surgical patients across different cultural contexts, in collaboration with interdisciplinary healthcare teams.
- Uses state-of-the-art surgical equipment and materials collaboratively, according to the complexity of care required during the preoperative, intraoperative, and postoperative periods.
- Conducts scientific research related to the care of patients requiring surgical services in order to expand disciplinary knowledge.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the specialty is organized into two **cores**: the **Basic Professional Core** and the **Advanced Professional Core**.

The curricular project has a total duration of four four-month terms, each lasting 14 weeks.

As an integral part of the academic education and within its courses, two **UPAEP Identity courses** are included: **Transformative Leadership** and **Bioethics**. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for students.

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## Specialty in Surgical Oncology

Educate specialists in Surgical Oncology with an ethical and human approach, capable of integrating and implementing scientific knowledge in oncologic surgical practice through the use of cancer diagnostic and treatment techniques, management of conventional and minimally invasive surgical procedures, conservative and organ-preserving surgeries, as well as medical research, within a multidisciplinary, reflective, and socially committed framework, in order to promote the well-being and quality of life of patients with cancer.

Modality: Grounded

Campus: Puebla | RVOE Code: 20221176

### Admission Profile

#### Knowledge

- Recognizes basic surgical techniques in general surgery.
- Identifies basic auxiliary diagnostic methods.
- Explains concepts of embryology, anatomy, and physiology of the human body.
- Distinguishes concepts of epidemiology within the social, political, and cultural context.
- Recognizes basic elements of scientific research.

#### Skills

- Applies basic elements of anatomy, physiology, and biochemistry.
- Manages surgical techniques in general surgery.
- Communicates clear and organized ideas orally and in writing.
- Works collaboratively as part of a team.
- Makes decisions in high-pressure situations.
- Expresses critical judgment in diagnostic, prognostic, treatment, and patient recovery situations.
- Uses basic scientific research tools.

#### Attitudes

- Values human life and the principles that sustain it.
- Demonstrates a service-oriented attitude toward patients and members of the medical community.

#### Professional Skills

- Expertly manages diagnostic methods and surgical procedures that contribute to preventive and curative care in oncologic diseases.
- Makes scientific contributions to medical research to improve diagnostic and treatment procedures that benefit oncologic patients.
- Works collaboratively with different healthcare areas, responding to the needs of patients with cancer.

#### Curriculum Map

The curriculum map of the specialty consists of 29 courses and is organized into cores that represent the progression of courses throughout the curricular project. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education in accordance with the UPAEP profile. Includes one curricular line: Human Development.

**Basic Professional Core:** Concentrates on foundational courses of the curriculum selected for their multidisciplinary approach. Includes three curricular lines: Didactics, Biomedical, and Basic Medicine.

**Professional Core:** Includes discipline-specific courses that allow students to develop specialized professional education. Includes three curricular lines: Management, Clinical Medicine, and Surgical Pathology.

**Capstone Core:** Focuses on developing the skills required for program completion and graduation. Includes two curricular lines: Integration and Research.



## Specialty in Urology

Educate specialists in Urology who diagnose and prevent diseases of the urinary tract and male genital system under a multidisciplinary, human, and ethical approach, through the analysis of medical history and laboratory and diagnostic imaging studies, in order to provide medical and surgical treatment to patients with urological pathologies and promote their quality of life.

Modality: Grounded

Campus: Puebla | RVOE Code: 20231673

### Admission Profile

#### Knowledge

- Distinguishes clinical and paraclinical methods.
- Recognizes diagnostic support tools.
- Recognizes the importance of scientific epidemiology.
- Identifies embryological, anatomical, and physiological foundations.

#### Skills

- Performs basic medical and surgical procedures for diagnosis and treatment.
- Demonstrates observation and analytical skills.
- Applies critical thinking in the analysis of health problems.
- Develops basic research protocols.
- Makes decisions based on scientific knowledge.
- Applies critical judgment in patient prevention, diagnosis, prognosis, treatment, and recovery.
- Demonstrates the ability to work collaboratively.
- Clearly expresses ideas orally and in writing.
- Demonstrates interest in medical sciences.
- Applies scientific epidemiology in daily medical practice.

#### Attitudes and Values

- Demonstrates ease in establishing interpersonal relationships.
- Values the importance of leadership.
- Shows interest in community service.
- Demonstrates concern for human values.
- Assumes an assertive attitude.
- Values honesty and integrity.
- Acts with responsibility, commitment, and empathy.
- Demonstrates consistency in medical practice.
- Commits to altruism and a humanistic and social conscience.

#### Professional Skills

- Prevents, diagnoses, and treats urological pathologies through knowledge and use of laboratory and imaging studies.
- Implements medical practices that prevent and/or reduce complications of urological diseases by recognizing the natural history of diseases and applying prophylactic intervention measures.
- Proposes, designs, and conducts applied and clinical research in urology to contribute knowledge to the scientific community under a bioethical approach.
- Establishes medical and surgical treatment programs in urology under a multidisciplinary approach, based on mastery of therapeutic schemes and modalities.

#### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the specialty is organized into two **cores**: the **Basic Professional Core** and the **Advanced Professional Core**.

The curricular project has a total duration of four years, structured in semester-based cycles of 22 weeks.

As an integral part of the academic education, a UPAEP Identity **course** is included: **Transformative Leadership and Bioethics**. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for students.



## Specialty in Wound Care and Vascular Access Nursing

Educate specialists in Wound Care and Vascular Access Nursing with an ethical and human approach, capable of intervening in pathophysiological processes and nursing care by implementing highly specialized methodological procedures grounded in scientific evidence and a preventive approach, including care and emotional support for patients, in order to provide integral services in health promotion, care management, and to contribute to improved life expectancy.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241200

### Admission Profile

#### Knowledge

- Describes the anatomy and physiology of the human body.
- Identifies the epidemiological health profile.
- Explains basic concepts of pharmacology.
- Differentiates the basic stages of the nursing research process.

#### Skills

- Plans care related to the assessment of patient signs, symptoms, and needs.
- Applies self-care criteria and healthy lifestyle practices in relation to the environment.
- Demonstrates the ability to make rapid decisions.
- Uses information and communication technologies.

#### Attitudes

- Acts with empathy in patient care.
- Demonstrates a service-oriented vocation.
- Shows interest in addressing the patient's elimination needs.
- Respects the patient's individuality.

### Professional Skills

- Applies standardized nursing care plan methodologies using state-of-the-art technological equipment in the care of patients with wounds and vascular access to resolve health problems.
- Conducts scientific research related to the care of patients with wounds and vascular access in order to share and disseminate knowledge.
- Develops collaborative health education and promotion actions that encourage self-care among individuals with wounds and vascular access across different cultural contexts.
- Applies ethical codes and legal regulations in favor of the physical, mental, and social integrity of patients with wounds and vascular access.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the specialty is organized into two **cores**: the **Basic Professional Core** and the **Advanced Professional Core**.

The curricular project has a total duration of four four-month terms, each lasting 14 weeks.

As an integral part of the academic education, two **UPAEP Identity courses** are included: **Transformative Leadership** and **Bioethics**. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for students.



## Master's Degree in Nursing Science

Educate professionals with a Master's Degree in Nursing Science under an ethical and human approach, who contribute to solving global health problems through research, teaching, and management, demonstrating leadership and a service-oriented attitude, in order to promote the quality of health systems and services across different professional contexts.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241232

### Admission Profile

#### Knowledge

- Differentiates the basic stages of the nursing research process.
- Recognizes lines of communication and authority.
- Identifies the epidemiological health profile.

#### Skills

- Uses digital tools.
- Applies self-care criteria and healthy lifestyle practices in relation to the environment.
- Develops nursing diagnoses within nursing services.

#### Attitudes

- Is aware of the importance of professional confidentiality and the management of sensitive information.
- Demonstrates a service-oriented attitude and vocation.
- Commits to their sociocultural environment.
- Shows an inclination toward continuous professional development.

#### Professional Skills

- Makes decisions considering patient well-being and applying ethical codes and legal regulations in nursing,

in favor of the physical, mental, and social integrity of individuals.

- Develops and manages research projects related to nursing care and people's health, using applied statistics.
- Leads and manages the planning, development, and evaluation of educational processes in different nursing contexts, in collaboration with multidisciplinary teams, to contribute to solving health-related needs.
- Develops strategies for the management of healthcare delivery models in collaboration with interdisciplinary nursing teams, proposing solutions focused on health promotion that enhance nursing services and quality of care.

### Curriculum Map and Integrative Educational Trajectories

The curriculum map of the master's program is organized into two **cores**: the **Basic Professional Core** and the **Advanced Professional Core**.

The curricular project has a total duration of two years, structured into four four-month terms of 14 weeks each. As an integral part of the academic education, a **UPAEP Identity course** is included: **Bioethics**. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for students.



## Master's Degree in Public Health

Educate professionals with a Master's Degree in Public Health under an ethical and human approach, capable of intervening through proposals for policies, plans, and action programs within the framework of essential public health functions, by applying methodological, social, ethical, and primary health care principles that respect human dignity and freedom, with the aim of promoting the strengthening and consolidation of health systems through an interdisciplinary and global approach.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220754

### Admission Profile

#### Knowledge

- Analyzes scientific dissemination articles in English.
- Identifies public health problems.
- Recognizes basic statistical concepts.
- Distinguishes health-related programs.

#### Skills

- Uses basic computer software packages and various digital resources.
- Demonstrates the ability to synthesize information.
- Formulates solutions to problems.
- Shows willingness to work in multidisciplinary teams.

#### Attitudes

- Commits to continuous work and lifelong learning.
- Demonstrates ethical, responsible, and respectful behavior.
- Shows a vocation for promoting the well-being of individuals and groups without discrimination.

#### Professional Skills

- Proposes actions aimed at improving health levels based on the analysis of health situations from a

global perspective, applying effective communication strategies.

- Designs multidisciplinary promotion strategies to encourage the improvement of healthy lifestyles.
- Develops research articles and projects in public and global health to generate opportunities for multidisciplinary collaboration.
- Applies data intelligence for research and analysis of public health situations from a global perspective.

### Curriculum Map

The curriculum map of the master's program consists of 18 courses and is organized into **cores** that represent the progression of courses throughout the curricular project. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education in accordance with the UPAEP profile and includes foundational courses of the curriculum. It comprises three curricular lines: Public Health, Human Development, and Economics.

**Professional Core:** Includes discipline-specific courses that allow students to develop specialized professional education. It comprises four curricular lines: Biostatistics, Health Promotion and Education, Epidemiology, and Management.

**Capstone Core:** Focuses on developing the skills required for program completion and graduation. It comprises two curricular lines: Integration and Research.



## Master's Degree in Public Health

Educate professionals with a Master's Degree in Public Health under an ethical and human approach, capable of intervening through proposals for policies, plans, and action programs within the framework of essential public health functions, by applying methodological, social, ethical, and primary health care principles that respect human dignity and freedom, with the aim of promoting the strengthening and consolidation of health systems through an interdisciplinary and global approach.

Modality: Online

Campus: Puebla | RVOE Code: 20220754

### Admission Profile

#### Knowledge

- Analyzes scientific dissemination articles in English.
- Identifies public health problems.
- Recognizes basic statistical concepts.
- Distinguishes health-related programs.

#### Skills

- Uses basic computer software packages and various digital resources.
- Demonstrates the ability to synthesize information.
- Formulates solutions to problems.
- Shows willingness to work in multidisciplinary teams.

#### Attitudes

- Commits to continuous work and lifelong learning.
- Demonstrates ethical, responsible, and respectful behavior.
- Shows a vocation for promoting the well-being of individuals and groups without discrimination.

#### Professional Skills

- Proposes actions aimed at improving health levels based on the analysis of health situations from a

global perspective, applying effective communication strategies.

- Designs multidisciplinary promotion strategies to encourage the improvement of healthy lifestyles.
- Develops research articles and projects in public and global health to generate opportunities for multidisciplinary collaboration.
- Applies data intelligence for research and analysis of public health situations from a global perspective.

### Curriculum Map

The curriculum map of the master's program is organized into two **cores**: the **Basic Professional Core** and the **Advanced Professional Core**. The curricular project has a total duration of two years and comprises a total of 18 courses, structured into four-month cycles of 16 weeks each.

As an integral part of the academic education, a UPAEP Identity **course** is included: **Bioethics**. The remaining courses are curricular and are specifically designed to align with the discipline, thus ensuring an integral and coherent educational trajectory for students.

# COLLEGE OF HUMANITIES AND SOCIAL SCIENCES



# EDUCATIONAL OFFERINGS

- Bachelor's Degree in Economics
- Bachelor's Degree in Educational Innovation Online
- Bachelor's Degree in Family Sciences Online
- Bachelor's Degree in Humanities and Cultural Management
- Bachelor's Degree in International Relations
- Bachelor's Degree in Languages, Teaching, and Cultural Diversity
- Bachelor's Degree in Law
- Bachelor's Degree in Law Tehuacán
- Bachelor's Degree in Law Online
- Bachelor's Degree in Pedagogy and Educational Innovation
- Bachelor's Degree in Philosophy
- Bachelor's Degree in Philosophy Online
- Bachelor's Degree in Political Science
- Bachelor's Degree in Psychology
- Bachelor's Degree in Psychology Online
- Bachelor's Degree in Psychology Semi-grounded
- Specialty in Digital Teaching
- Master's Degree in Healthcare Management
- Master's Degree in Applied Economics
- Master's Degree in Applied Economics Online
- Master's Degree in Christian Social Leadership Online
- Master's Degree in Cognitive Behavioral Psychotherapy
- Master's Degree in Constitutional Law and Amparo
- Master's Degree in Constitutional Law and Amparo Online
- Master's Degree in Constitutional Law and Amparo Tehuacán
- Master's Degree in Criminal Law Tehuacán
- Master's Degree in Education Tehuacán
- Master's Degree in Education Online Puebla
- Master's Degree in Education and Human Development
- Master's Degree in Education and Human Development Online
- Master's Degree in Education Research
- Master's Degree in Education Research Online
- Master's Degree in Educational Innovation Online
- Master's Degree in Educational Technology
- Master's Degree in Educational Technology Online
- Master's Degree in Family Orientation and Development
- Master's Degree in Family Orientation and Development Online
- Master's Degree in Family Sciences Online
- Master's Degree in Historical Studies
- Master's Degree in Language Teaching and Interculturality
- Master's Degree in Language Teaching and Interculturality Online
- Master's Degree in Leadership and Educational Management
- Master's Degree in Leadership and Educational Management Online
- Master's Degree in Mathematics Education
- Master's Degree in Mathematics Education Online
- Master's Degree in Pastoral Innovation Online
- Master's Degree in Pedagogy
- Master's Degree in Pedagogy Online
- Master's Degree in Political Science and Public Management
- Master's Degree in Tax Law
- Master's Degree in Work and Organizational Psychology
- Master's Degree in Work and Organizational Psychology Online
- Master's Degree in Work and Organizational Psychology Tehuacán
- Doctorate Degree in Education - research doctorate
- Doctorate Degree in Legal Sciences, Politics and Government- research doctorate
- Doctorate Degree in Legal Sciences, Politics and Government- research doctorate Online
- Doctorate Degree in Social Philosophy- research doctorate
- Doctorate Degree in Social Philosophy- research doctorate Online



## Bachelor's Degree in Economics

Educate students in economics with a critical, collaborative, and human mindset, capable of applying economic theory in the areas of business economics, households, finance, and public economics; efficiently and ethically employing quantitative methods such as econometrics, data science, and artificial intelligence, with the aim of proposing and communicating concrete solutions to national and international economic problems.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252136

### Admission Profile

#### Knowledge

- Identifies basic mathematical operations.
- Recognizes current national and international social contexts.
- Identifies fundamental concepts of research methodology.

#### Skills

- Uses English vocabulary appropriately.
- Communicates effectively both orally and in writing.
- Uses Information and Communication Technologies (ICTs).

#### Attitudes

- Values collaborative work.
- Appreciates the dignity of the human person.
- Shows interest in basic economic topics.

#### Professional Skills

- Proposes ethical solutions to economic problems based on critical comparison and contrast of economic theories and empirical studies.
- Uses econometrics, data science, and artificial intelligence to ethically explain economic situations related to firms, households, the financial sector, and

the public sector.

- Formulates and communicates ethical alternatives to specific local, regional, national, and international economic and social situations applicable to firms, households, and the financial and public sectors.
- Prepares research reports based on applied economics and multidisciplinary and transdisciplinary approaches.

### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes preparatory courses, such as University Life Orientation and Immersion, four language courses selected based on the student's English placement test results, and Introduction to University Mathematics. The core curriculum is organized into two—basic professional and advanced professional—and is structured into four areas of study:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as humanistic education, languages, and entrepreneurship.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the college or through the combination of several colleges. It groups content that forms the foundation of professional education, including courses located in the first half of the academic pathway.

**Professional Core. Disciplinary Education.** Comprises essential courses for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement students' preparation and prioritize content from other academic programs.



## Bachelor's Degree in Educational Innovation

Educate students in Educational Innovation with a solid ethical, human, and scientific foundation, who design, manage, and evaluate educational processes in formal and non-formal contexts, based on the analysis of pedagogical, didactic-methodological, technological, and educational guidance foundations, in order to act as agents of change who contribute to the improvement of educational reality.

Modality: Online

Campus: Puebla | RVOE Code: 20241820

### Admission Profile

#### Knowledge

- Identifies the process for searching for information.
- Recognizes the importance of education for social transformation.

#### Skills

- Observes and analyzes social problems within their immediate context.
- Demonstrates oral and written communication skills.
- Manages basic Information and Communication Technologies.
- Uses word processors, spreadsheets, and electronic presentations.
- Organizes time effectively to achieve academic goals.

#### Attitudes

- Shows an inclination toward collaborative work.
- Values the importance of honesty in academic and professional life.
- Shows interest in education in general.
- Demonstrates a service-oriented attitude aimed at improving their environment.

#### Professional Skills

- Designs innovative learning experiences aimed at

fostering the development of cognitive and affective processes necessary for learning to think and learning how to learn.

- Strategically applies Information and Communication Technologies as a means to support teaching, learning, and assessment processes.
- Evaluates educational situations from an integral perspective to generate improvement proposals in formal and non-formal contexts.
- Proposes innovative solutions to educational processes from pedagogical, didactic-methodological, and educational guidance perspectives to promote transformation in formal and non-formal settings.

### Curriculum map and integrative educational trajectories

The curriculum map of the bachelor's degree is divided into two cores: basic professional and advanced professional, and is structured into four areas of study.

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, among them human education, languages, entrepreneurship, and academic writing.

**Basic Professional Core. Common Core by Areas of Knowledge.** It is defined by areas of affinity within the college or through the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education.

**Professional Core. Disciplinary Education.** It comprises courses essential to developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** It is composed of two elective courses taken in the fourteenth and seventeenth academic cycles, selected from a list of 10 options that complement the preparation of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Family Sciences

Educate students in Family Sciences with an ethical and human sense, capable of promoting and defending the dignity of the human person, marriage, and the family. Alumni analyze and respond to the needs, issues, challenges, and history of the family through a multidisciplinary and interdisciplinary approach in its various dimensions. They act with leadership in developing a culture of family, aimed at improving the living conditions of individuals, marriages, families, and society.

Modality: Online

Campus: Puebla | RVOE Code: 20221179

### Admission Profile

#### Knowledge

- Identifies knowledge from the humanities at the upper secondary education level.
- Distinguishes concepts related to the person, family, and society.
- Recognizes everyday social issues related to the family.

#### Skills and/or Abilities

- Demonstrates a willingness to analyze, synthesize, and reflect.
- Develops verbal, listening, and written communication skills.
- Shows empathy skills.
- Manages digital platforms.

#### Attitudes and/or Values

- Shows willingness to promote harmonious interpersonal relationships.
- Demonstrates commitment to assuming responsibility in family development and guidance.
- Responds responsibly to personal improvement and the improvement of the social environment.
- Is aware of generosity in coexistence.

- Values a spirit of service.

#### Professional Skills

- Argues orally and in writing the fundamental principles of the person, marriage, and the family in light of Philosophy, Biology, Psychology, Education, Sociology, Economics, and Law.
- Develops educational projects that help prevent risk situations and promote a culture of family.
- Proposes improvement strategies for family well-being based on the identification of social needs.
- Proposes and leads accompaniment and intervention processes with families from an integrative and interdisciplinary perspective, considering all factors involved in family or personal dynamics, and contributes to the solution of identified issues.
- Acts as a family mediator, understanding diverse situations, environments, cultural factors, and life stages in order to contribute to the well-being of the person and the family.

#### Curriculum map

The master's degree curriculum consists of 12 courses and is organized into cores that represent the progressive development of coursework throughout the academic program. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student education in accordance with the UPAEP institutional profile.

Includes one curricular line: **Human Development.**

**Basic Professional Core.** Concentrates on foundational courses of the curriculum, selected for their multidisciplinary approach. Includes one curricular line: **Legal Culture.**

**Professional Core.** Comprises discipline-specific courses that provide specialized professional education. Includes three curricular lines: **Constitutional Culture, Professional Topics, and Constitutional Review and Control.**

**Capstone Core.** Aims to develop skills required for the final phase of the program and degree completion. Includes two curricular lines: **Integration** and **Practical Work/Thesis.**



## Bachelor's Degree in Humanities and Cultural Management

Educate students in Humanities and Cultural Management who manage and promote culture with a human, critical, ethical, interdisciplinary, and intercultural approach. They plan, implement, and evaluate culturally relevant projects with social impact, adapted to physical and digital spaces. Through transformative leadership, they strengthen knowledge of culture and its impact on social reality.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252127

### Admission Profile

#### Knowledge

- Identifies basic concepts of history, art, literature, and cultural management.
- Relates events, phenomena, and ideas in the fields of history, philosophy, literature, art, and culture.
- Distinguishes the relationship between culture and society.
- Identifies digital communication formats.

#### Skills

- Demonstrates strong reading and writing skills.
- Manages Information and Communication Technologies.
- Shows flexibility and openness to hybrid work models in digital contexts.

#### Attitudes

- Respects cultural and artistic expressions from different spatial and temporal contexts.
- Cultivates the ability to listen and reflect.
- Consumes culture and the arts.
- Shows an interest in reading, writing, and performing the arts.
- Shows interest in discovering and engaging with new cultural proposals on digital platforms.

- Demonstrates intellectual openness toward creative experience.
- Is empathetic and resilient within social and cultural environments.
- Shows interest in the study of culture in its various manifestations and in interpersonal relationships.

#### Professional Skills

- Innovates in the ways of viewing, evaluating, and interpreting cultural traditions.
- Implements cutting-edge strategies for disseminating and evaluating cultural projects.
- Designs and effectively evaluates interdisciplinary cultural management projects.
- Conducts research with solid foundations and articulates ideas discursively by integrating knowledge from history, art, literature, and philosophy in order to take a position on contemporary cultural challenges.
- Substantiates the importance of multiculturalism as an integral individual, from a stance of respect and empathy within a globalized world.

#### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes preparatory courses, among them University Life Orientation and Immersion, as well as four language courses selected based on the student's English placement test results.

Regarding core courses, the curriculum is organized into two cores—basic professional and advanced professional—and is structured into four areas of study.

**Institutional Core. UPAEP University Education** encompasses courses aligned with the institutional profile, including human education, languages, and entrepreneurship.

**Basic Professional Core. Common Core by Areas of Knowledge** is defined by areas of affinity within the college or through the combination of several colleges and groups' content that forms the foundation of professional education, located in the first half of the academic pathway.

**Professional Core. Disciplinary Education** comprises courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education** comprises four elective courses, selected from a range of twelve to fifteen options, which complement the preparation of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in International Relations

Educate students in International Relations with critical and ethical thinking who propose social, political, economic, and cultural solutions to problems at the international, national, and local levels. They analyze and interpret transnational and global phenomena, processes, relationships, actors, contexts, and conflicts using theoretical and conceptual frameworks specific to the discipline. They build the foundations for managing projects that impact global governance from decision-making positions within civil society and the public and private sectors at both national and international levels.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220548

### Admission Profile

#### Knowledge

- Identifies various events in world and Mexican history.
- Recognizes basic concepts of political thought, geography, economics, and culture.
- Distinguishes the nation-state's elementary components.
- Relates the social sciences to mathematical reasoning.

#### Skills and/or Abilities

- Collaborates and works effectively in teams.
- Demonstrates basic skills in reading comprehension and academic writing.
- Compares and contrasts different social contexts around the world.
- Uses Office tools and Web 2.0 resources at a basic level.
- Manages basic grammatical rules of the English language.

#### Attitudes and/or Values

- Respects cultural and ideological diversity.
- Shows concern for international issues.
- Acts responsibly in academic and university activities.

#### Professional Skills

- Applies International Relations theories to problematize and critically analyze the development of different types of global phenomena.
- Proposes frameworks for action to address issues on the international agenda using theoretical and conceptual tools, contributing to academic debate on international policies.
- Develops academic research relevant to contemporary social contexts at the local, regional, transnational, and global levels to inform decision-making.
- Analyzes major challenges on the global agenda, such as human rights, cultural diversity, the environment, and international security, among others, and proposes possible solutions.
- Communicates orally and in writing in Spanish and English to perform effectively in international relations, recognizing cultural heterogeneity.

#### Curriculum map

The curriculum map for the bachelor's degree comprises 58 courses. It is organized into cores that represent the progression of courses throughout the curricular pathway, which are in turn divided into curricular lines or areas of knowledge.

**Institutional Core** emphasizes student education under the UPAEP profile and includes four curricular lines: Computing, Human Education, Entrepreneurship, and Languages.

**Professional Core** focuses on fundamental and disciplinary courses of the curricular project, selected for their multidisciplinary approach, and includes five curricular lines: Mathematics, International Relations, Theoretical Foundations, Analysis Tools, and Research Tools.

**The Professional Core** also includes advanced discipline-specific courses that provide students with in-depth education, consisting of five curricular lines: French, Economics and Public Policy, International Law, Regional Scenarios, and Contemporary International Politics.

**Elective Core** allows students to choose two curricular lines from four options: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core** focuses on developing skills that prepare students for the completion and degree-granting phase of the academic program, consisting of one curricular line: Research.

Time domain Analysis  
Frequency domain Analysis



## Bachelor's Degree in Languages, Teaching, and Cultural Diversity

Educate graduates in Languages, Teaching, and Cultural Diversity with a human, critical, and ethical perspective, who apply language teaching methodologies by integrating linguistic and sociocultural knowledge and skills in order to innovate language learning through a multicultural approach.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20192093

### Admission Profile

#### Knowledge

- Recognizes basic rules of written Spanish.
- Identifies, at a basic level, Office tools and Web 2.0 resources.

#### Skills and/or Abilities

- Communicates ideas and thoughts inclusively, showing interest in diverse points of view.
- Collaborates and works effectively in teams.

#### Attitudes and/or Values

- Values the acquisition and use of language.
- Shows interest in foreign languages and different cultures.
- Respects diversity.

#### Habits

- Demonstrates reading habits.
- Demonstrates study habits.

#### Professional Skills

- Demonstrates proficiency in multiple languages to communicate fluently and effectively in diverse contexts.
- Applies teaching methodologies and linguistic aspects

of languages in language instruction.

- Designs study plans for language learning based on students' needs and contexts.
- Promotes multicultural development and education in formal and informal educational settings.
- Incorporates linguistic aspects into educational methodologies for teaching Spanish as a second language.
- Uses research techniques for the teaching of foreign languages.

### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree comprises 54 courses. It is organized into cores that represent the progression of courses throughout the curricular pathway, which are in turn divided into curricular lines or areas of knowledge.

**Institutional Core** emphasizes student education under the UPAEP profile and includes three curricular lines: Human Education, Entrepreneurship, and English.

**The Professional Core concentrates on fundamental and discipline-specific courses selected for their multidisciplinary approach, encompassing** ten curricular lines: Languages, Teaching, Linguistics, Multiculturalism, Spanish, Language Proficiency, Language Teaching, Advanced Linguistics, Multicultural Education, and Spanish as a Foreign Language.

**Elective Core** allows students to choose two curricular lines from four options: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core** focuses on developing skills that prepare students for the completion and degree-granting of the academic program, consisting of one curricular line: Research.



## Bachelor's Degree in Law

Educate students in Law with an ethical and human approach who apply national legislation and international treaties recognized by the Mexican State. They use argumentative legal reasoning regarding legal figures and institutions from the main branches of Law in order to promote justice and prevent and resolve conflicts. Their professional practice contributes to the benefit of the rule of law and the dignity of the human person.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252134

### Admission Profile

#### Knowledge

- Relates knowledge from the social sciences.
- Identifies social issues.
- Critically analyzes the social environment.

#### Skills

- Demonstrates ease in oral and written expression.
- Manages Information and Communication Technologies.

#### Attitudes

- Values the importance of reading.
- Is aware of the sense of responsibility in learning.
- Appreciates the values of respect, commitment, and solidarity.

#### Professional Skills

- Applies national legislation and international treaties to specific cases in the various legal disciplines of the public, private, and social branches of Law.
- Develops legal arguments to defend positions in conflicts within the social sphere.
- Proposes legal solutions using processes and procedures that benefit the rule of law and human rights.

- Legally critiques legislative reforms within the Mexican legal system in defense of the rule of law.

### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes preparatory courses, including University Life Orientation and Immersion, as well as four language courses based on the results of the English placement test. With regard to curricular courses, the study plan is organized into two cores—basic professional and advanced professional—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** It includes courses aligned with the institutional profile, among them human education, languages, and entrepreneurship.

**Basic Professional Core. Common Core by Areas of Knowledge.** It is defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, with courses located within the first half of the academic pathway.

**Professional Core. Disciplinary Education.** It comprises courses essential to developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** It is composed of four elective courses, selected from a range of 12 to 15 options, that complement the preparation of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Law

Educate students in Law with a human and ethical sense, who generate favorable conditions for a fair and equitable rule of law by applying the different regulations applicable in the legal, commercial, criminal, civil, family, and oral trial areas, with the purpose of proposing solutions to legal issues that contribute to improving social coexistence.

Reasoning, Constitutional Law and Writ of Protection, Private Law, Criminal Law, Administrative and Fiscal Law, Social Law, International Law, and Litigation.

**Elective Core** allows students to select courses from the disciplinary area and entrepreneurship components according to the structure of the academic program.

**Capstone Core** focuses on the development of skills that prepare students for the completion and degree-granting phase of the academic program, consisting of one curricular line: Research.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20192919

### Admission Profile and Professional Skills

- Demonstrates legal writing skills, argumentation, and oral expression within the legal context.
- Proposes reasoned legal solutions through the proper use of processes, acts, and procedures.
- Applies the different rules and principles of the national legal system to specific cases.
- Uses negotiation through alternative dispute resolution mechanisms when circumstances so require.

### Curriculum map

The curriculum map for the bachelor's degree comprises 55 courses and is organized into cores, which represent the progression of courses throughout the curricular pathway. These cores, in turn, are divided into curricular lines or areas of knowledge.

**Institutional Core** emphasizes student education under the UPAEP profile and includes four curricular lines: Academic Computing, Human Education, Entrepreneurship, and Languages.

**Professional Core** focuses on fundamental and discipline-specific courses of the curricular project, selected for their multidisciplinary approach, and includes 12 curricular lines: Fundamentals of Law, General Concepts, Legal



## Bachelor's Degree in Law

Educate graduates in Law with an ethical and human approach who apply national regulations and international treaties recognized by the Mexican State through argumentative handling of legal figures and institutions from the main disciplines of Law, with the purpose of promoting conflict resolution for the benefit of the rule of law.

- Legally critiques legislative reforms within the Mexican legal system in defense of the rule of law.

### Curriculum map and integrative educational trajectories

The curriculum map of the bachelor's degree is divided into two cores—basic professional and advanced professional—and is structured into four education cores: **Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, among them human education, languages, entrepreneurship, and academic writing.

**Basic Professional Core. Common Core by Areas of Knowledge.** It is defined by areas of affinity within the college or through the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education.

**Professional Core. Disciplinary Education.** It comprises courses essential to developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** It consists of two elective courses, one taken in the seventeenth academic cycle and the other in the eighteenth, selected from a list of 10 options that complement the preparation of future professionals and prioritize content from other academic programs.

Modality: Online

Campus: Puebla | RVOE Code: 20241819

### Admission Profile

#### Knowledge

- Relates knowledge from the social sciences.
- Identifies social issues.
- Critically analyzes the social environment.

#### Skills

- Demonstrates ease in oral and written expression.
- Manages Information and Communication Technologies.

#### Attitudes

- Values the importance of reading.
- Is aware of the sense of responsibility in learning.
- Appreciates the values of respect, commitment, and solidarity.

#### Professional Skills

- Applies national regulations and international treaties to specific cases in the various legal disciplines of the public, private, and social branches.
- Develops legal arguments to defend positions in conflicts within the social sphere.
- Proposes legal solutions using processes and procedures for the benefit of the rule of law and human rights.



## Bachelor's Degree in Pedagogy and Educational Innovation

Educate students in Pedagogy and Educational Innovation with a critical, ethical, and human perspective, who innovate in programs, initiatives, and projects across diverse educational contexts and modalities through the design, development, and management of educational processes and practices, as well as the evaluation of programs and institutions for continuous improvement in diverse educational settings, grounded in solid theoretical and practical foundations, in order to promote the transformation of educational reality and the common good.

Modality: Grounded

Campus: Puebla | RVOE Code: 20242435

### Admission Profile

#### Knowledge

- Recognizes the importance of education.
- Identifies the foundations of academic writing.

#### Skills and/or abilities

- Uses the English language at a basic level.
- Analyzes written texts.
- Applies internet-based resources to support learning.
- Demonstrates analytical thinking.
- Communicates ideas clearly in written and oral form.

#### Attitudes

- Shows interest in matters related to education.
- Acts with openness and willingness.
- Values responsibility and commitment in both personal and academic life.
- Respects diversity.
- Demonstrates a vocation for service and civil engagement.

### Professional Skills

- Designs integral education processes grounded in theoretical foundations for the development of individuals and their relationships with their context, promoting the common good.
- Designs, develops, and evaluates educational, pedagogical, curricular, and instructional plans, programs, and models with solid theoretical and methodological bases across different modalities, and communicates them in diverse educational contexts with a global, integral, inclusive, and collaborative perspective in the field of education.
- Designs quality management and evaluation models for institutions, programs, processes, and stakeholders for improvement purposes at all levels of the national education system, from an integral and systemic perspective.
- Integrates information and communication technologies and digital resources into curricular and instructional approaches across modalities in a strategic, collaborative, and inclusive manner.
- Develops and communicates educational research with theoretical and methodological rigor in an ethical, reflective, analytical, and rigorous manner for the study of educational reality.

### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes propaedeutic courses, including Accompaniment and Immersion into University Life, and four language courses that students will take based on the results of their English placement exam. With regard to curricular courses, the study plan is organized into two cores—basic professional and advanced professional—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, among them human education, languages, and entrepreneurship.

**Basic Professional Core. Common Core by areas of knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, including courses located in the first half of the educational pathway.

**Professional Core. Disciplinary Education.** Comprised of courses essential for the development of the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Comprised of four elective courses selected from twelve to fifteen options, which complement the preparation of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Philosophy

Educate students in Philosophy with an ethical and human orientation who are committed to the pursuit of unity, truth, goodness, and beauty, grounded in a realist metaphysics of the person, openness to inter- and transdisciplinary dialogue, critical thinking, and ethical and social reflection, in order to address contemporary challenges.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20242434

### Admission Profile

#### Knowledge

- Identifies problems of thought in different contexts.
- Recognizes topics related to art, history, science, and culture in general.
- Distinguishes and associates ideas in order to formulate questions.

#### Skills

- Communicates effectively.
- Possesses dialogical skills.
- Collaborates and works in teams.

#### Attitudes

- Demonstrates philosophical curiosity and a desire for knowledge.
- Shows an inclination toward formulating profound questions.
- Respects the diversity of approaches to a given topic.

#### Professional Skills

- Reconstructs arguments to evaluate their logical and truth-based soundness through the critical analysis of texts and discourses.
- Formulates questions that make it possible to locate and recognize the origin of specific issues, both in the

philosophical field and in areas common to different disciplines.

- Uses critical dialogue as a model for problem-solving and the search for truth across diverse contexts.
- Demonstrates commitment to truth, goodness, and beauty in philosophical practice.

### Curriculum map and integrative educational trajectories

The undergraduate curriculum map includes propaedeutic courses, including Academic Guidance and Immersion into University Life, as well as four language courses that students will take based on the results of their English placement exam. Regarding the curricular courses, the study plan is organized into two curricular cores—*Basic Professional Core and Advanced Professional Core*—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, language studies, and entrepreneurship.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the college or through the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, including courses in the first half of the academic pathway.

**Professional Core. Disciplinary Education.** Composed of essential courses aimed at developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from a pool of twelve to fifteen options, which complement the preparation of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Philosophy

Educate students in Philosophy with an ethical and humanistic orientation who are committed to the pursuit of unity, truth, goodness, and beauty, grounded in a realist metaphysics of the person, openness to inter- and transdisciplinary dialogue, critical thinking, and ethical and social reflection, in order to address contemporary challenges.

Modality: Online  
Campus: Puebla | RVOE Code: 20241822

### Admission Profile

#### Knowledge

- Identifies problems of thought in different contexts.
- Recognizes topics related to art, history, science, and culture in general.
- Distinguishes and associates ideas in order to formulate questions.

#### Skills

- Communicates effectively.
- Possesses dialogical skills.
- Collaborates and works in teams.

#### Attitudes

- Demonstrates philosophical curiosity and a desire for knowledge.
- Shows an inclination toward formulating profound questions.
- Respects the diversity of approaches to a given topic.

#### Professional Skills

- Reconstructs arguments to evaluate their logical and truth-based soundness through the critical analysis of texts and discourses.
- Formulates questions that make it possible to locate and recognize the origin of specific issues, both in the

philosophical field and in areas common to different disciplines.

- Uses critical dialogue as a model for problem-solving and the search for truth across diverse contexts.
- Demonstrates commitment to truth, goodness, and beauty in philosophical practice.

### Curriculum map and integrative educational trajectories

The undergraduate curriculum is divided into two academic cores—**Basic Professional Core** and **Advanced Professional Core**—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, entrepreneurship, and academic writing.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the college or through the integration of several colleges. It brings together content that, by its nature, constitutes the foundation of professional education.

**Professional Core. Disciplinary Education.** Comprises essential courses required to develop the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of two elective courses, one taken in the seventeenth cycle and another in the eighteenth cycle, selected from a list of ten options. These courses complement the preparation of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Political Science

The Bachelor's Degree in Political Science educates professionals with an ethical and humanistic perspective who analyze political phenomena and public and social issues; design, implement, and evaluate alternatives that promote legitimacy, governability, and effectiveness in the exercise of government. This is achieved through the use of theoretical and methodological tools from political science, public administration, and public policy, supporting strategic policy decision-making aimed at achieving the common good.

- Designs political strategies and sustainable governmental projects aimed at building the common good.
- Applies quantitative and qualitative instruments and models from political science and governance, as well as technological tools, to generate solutions and/or recommendations to public and social problems.
- Formulates and leads political strategies under ethical criteria to strengthen institutions and democratic processes.
- Develops proposals from political science with an ethical perspective and civil engagement to promote sustainable development.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252128

### Admission Profile

#### Knowledge

- Identifies major historical and social events.
- Distinguishes the main ideas in a text.
- Recognizes political and public problems that require attention.

#### Skills

- Communicates effectively.
- Demonstrates reading and writing proficiency.
- Carefully observes the surrounding environment.
- Uses information and communication technologies to search for information.

#### Attitudes

- Shows concern for transforming social reality.
- Adopts a proactive and leadership-oriented attitude.
- Values the importance of ethics.
- Shows interest in collaborative work.

#### Professional Skills

- Analyzes political phenomena and public affairs to guide decision-making by public, private, and social actors.

### Curriculum map and integrative educational trajectories

The curriculum map for the Bachelor's Degree includes propaedeutic courses, such as University Life Orientation and Immersion, Mathematical Reasoning, and four language courses, which students will take based on the results of their English placement exam. Regarding curricular courses, the study plan is organized into two cores—basic professional and advanced professional—and structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that constitutes the foundation of professional education, with courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of essential courses for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement students' professional preparation and prioritize content from other academic programs.



## Bachelor's Degree in Psychology

The Bachelor's Degree in Psychology trains professionals with an ethical and humanistic perspective who develop strategies for the promotion and prevention of mental health, as well as psychological assessment and intervention. This is achieved through actions aligned with social needs within a holistic human perspective, enabling work across clinical, educational, social, and organizational settings and thereby contributing to the common good.

Modality: Grounded

Campus: Puebla | RVOE Code: 20240796

### Admission Profile

#### Knowledge

- Recognizes the stages of the human life cycle.
- Distinguishes various historical and cultural events at national and international levels.
- Identifies basic concepts of natural sciences related to human behavior.
- Recognizes basic concepts of social sciences regarding human behavior.

#### Skills

- Demonstrates basic reading and writing skills.
- Shows ability to establish interpersonal relationships.
- Communicates effectively both verbally and non-verbally.
- Collaborates and works in teams.
- Applies basic logical-mathematical thinking.
- Uses digital tools at a basic level.

#### Attitudes

- Respects human dignity and values.
- Acts with openness and respect for cultural diversity.
- Behaves responsibly in academic and university activities.
- Shows concern for maintaining a healthy lifestyle.

#### Professional Skills

- Develops individual, collective, and intercultural strategies to promote healthy habits and prevent risk factors.
- Performs psychological assessment and intervention to support mental health, integrating diverse theories, methods, and techniques based on scientific evidence.
- Conducts socially relevant research projects grounded in the scientific method, considering the complexity of psychosocial phenomena that influence mental health.
- Proposes psychoeducational and psychosocial activities collaboratively and creatively to promote mental health.
- Applies the principles of professional ethics in psychology (psychoethics), recognizing the individual as a whole from a personalist perspective to promote mental health.

#### Curriculum map and integrative educational trajectories

The curriculum map includes propaedeutic courses, such as University Life Orientation, Basic Mathematics for Health Sciences, and four language courses, which students will take based on the results of their English placement exam. The study plan is organized into two cores—basic professional and advanced professional—and structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the college or by combining multiple colleges. It groups content that constitutes the foundation of professional education, with courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of essential courses to develop the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, complementing professional preparation and prioritizing content from other academic programs.



## Bachelor's Degree in Psychology

The Bachelor's Degree in Psychology educates professionals with an ethical and human perspective who implement prevention and intervention strategies in educational and organizational settings. This is achieved through mastery of professional methods and techniques, supported by digital tools, to promote the holistic development, health, and well-being of individuals.

Modality: Online

Campus: Puebla | RVOE Code: 20251740

### Admission Profile

#### Knowledge

- Distinguishes basic concepts in Psychology.
- Identifies the stages of human development.
- Recognizes fundamental elements in educational and organizational care.
- Outlines the basic stages of the research methodology process.

#### Skills and Abilities

- Participates in collaborative work activities.
- Plans tasks responsibly and with discipline.
- Uses Information and Communication Technologies (ICTs) and electronic devices for learning.
- Expresses ideas effectively both orally and in writing.
- Utilizes information and interprets it for decision-making.

#### Attitudes and Values

- Appreciates human values.
- Is aware of personal development and is ethically committed.
- Cares for the dignity and physical and moral integrity of individuals.
- Is conscious of social responsibility.

#### Professional Skills

- Designs research projects and health promotion initiatives in educational, organizational, and social psychology, applying the methodologies and techniques relevant to each area.
- Develops programs, techniques, strategies, and holistic quality instruments for psychological diagnosis and intervention in educational, social, and organizational contexts.
- Intervenes in and evaluates educational, organizational, and social phenomena with inter- and multidisciplinary teams in diverse contexts.
- Provides psychological care to individuals in educational and organizational settings with leadership and ethical commitment.

#### Curriculum map and integrative educational trajectories

The curriculum for the Bachelor's Degree is divided into two cores—basic professional and advanced professional—and is structured into four educational cores:

**Institutional. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, entrepreneurship, and academic writing.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the college or by combining multiple colleges. It groups content that, by its nature, constitutes the foundation of professional education.

**Professional Core. Disciplinary Education.** Composed of essential courses to develop the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of two elective courses—one in the sixteenth semester and one in the seventeenth—selected from a list of ten options. These courses complement professional preparation and prioritize content from other academic programs.



## Bachelor's Degree in Psychology

The Bachelor's Degree in Psychology educates professionals with an ethical and human perspective who implement prevention and intervention strategies in educational and organizational settings. This is achieved through mastery of professional methods and techniques, supported by digital tools, to promote the holistic development, health, and well-being of individuals.

Modality: Online

Campus: Puebla | RVOE Code: 20251740

### Admission Profile

#### Knowledge

- Distinguishes basic concepts in Psychology.
- Identifies the stages of human development.
- Recognizes fundamental elements in educational and organizational care.
- Outlines the basic stages of the research methodology process.

#### Skills and Abilities

- Participates in collaborative work activities.
- Plans tasks responsibly and with discipline.
- Uses Information and Communication Technologies (ICTs) and electronic devices for learning.
- Expresses ideas effectively both orally and in writing.
- Utilizes information and interprets it for decision-making.

#### Attitudes and Values

- Appreciates human values.
- Is aware of personal development and is ethically committed.
- Cares for the dignity and physical and moral integrity of individuals.
- Is conscious of social responsibility.

#### Professional Skills

- Designs research projects and health promotion initiatives in educational, organizational, and social psychology, applying the methodologies and techniques relevant to each area.
- Develops programs, techniques, strategies, and holistic quality instruments for psychological diagnosis and intervention in educational, social, and organizational contexts.
- Intervenes in and evaluates educational, organizational, and social phenomena with inter- and multidisciplinary teams in diverse contexts.
- Provides psychological care to individuals in educational and organizational settings with leadership and ethical commitment.

#### Curriculum map and integrative educational trajectories

The curriculum for the Bachelor's Degree is divided into two cores—basic professional and advanced professional—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, entrepreneurship, and academic writing.

**Basic Professional Core. Common Core by Areas of Knowledge.** Defined by areas of affinity within the college or by combining multiple colleges. It groups content that, by its nature, constitutes the foundation of professional education.

**Professional Core. Disciplinary Education.** Composed of essential courses to develop the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of two elective courses—one in the sixteenth semester and one in the seventeenth—selected from a list of ten options. These courses complement professional preparation and prioritize content from other academic programs.



## Specialty in Digital Teaching

The Specialty in Digital Teaching educates professionals with an ethical and human perspective who integrate learning and knowledge technologies into their educational practice. This is achieved by developing teaching, learning, and assessment strategies and resources to enhance the educational process.

Modality: Online

Campus: Puebla | RVOE Code: 20241817

### Admission Profile

#### Knowledge

- Identifies the basic functions of Microsoft Office.
- Recognizes basic elements for navigating the Internet.
- Distinguishes basic Web 2.0 tools.
- Recognizes contemporary educational models.

#### Skills and Abilities

- Uses electronic devices at a basic level.
- Manages information on the web (World Wide Web).
- Navigates the Internet effectively.
- Manages groups as an educator.
- Demonstrates skills in planning the educational process.

#### Attitudes and Values

- Values the importance of integrating technology into educational practice.
- Shows a service-oriented attitude.
- Uses the Internet and its applications ethically.
- Shows interest in innovating educational practice.

#### Professional Skills

- Applies advanced computer knowledge to integrate technologies into educational innovation projects.
- Develops high-quality digital teaching, learning, and

assessment strategies and resources that are socially relevant in new digital environments and contribute to the holistic development of students.

- Proposes technology-based solutions to conduct projects and programs at any educational level and modality, supporting students' professional performance and addressing development gaps in virtual learning environments.
- Transforms and creates interdisciplinary knowledge in virtual learning environments, enabling innovative teaching through the use of educational platforms, complemented by Web 2.0 digital tools, and fostering engagement with the educational community across different educational levels.

### Curriculum map and integrative educational trajectories

The curriculum for the specialty is organized into two cores: basic professional and advanced professional. The program spans four semesters, each lasting 14 **weeks**. As an integral part of the education, the curriculum includes a UPAEP Identity course: Transformative Leadership. The remaining courses are also curricular and specifically designed to align with the discipline, ensuring a coherent and integral educational trajectory for students.



## Master's Degree in Administrative Law and Public Management

The Master's Degree in Administrative Law and Public Management educates professionals who plan and develop actions and public policies with an ethical and human perspective. This is based on the interpretation and analysis of the Federal Constitution, local constitutions, and general and specific legal norms of Public Administration at various levels. The program aims to prepare alumni to manage legal and administrative defenses of assigned interests, with an integral understanding of both administrative and legal processes and procedures.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220802

### Admission Profile

#### Knowledge

- Explains general concepts of Public Administration, the State, and Law.
- Describes the characteristics and structure of Public Administration at the municipal, state, and federal levels.
- Identifies the legal foundations of governmental structures.

#### Skills

- Develops practical solutions to problems related to Administrative Law.
- Works effectively in teams.
- Uses political and legal terminology professionally.
- Employs general IT tools as well as specialized tools for Public Administration and/or Law.

#### Attitudes

- Promotes the common good as the ultimate goal of the legal profession.
- Acts according to honesty and justice in professional life.

#### Professional Skills

- Drafts legal-administrative documents based on normative frameworks and a realistic understanding of public management.
- Structures normative or governmental proposals to ensure their application aligns with the needs and challenges of local and national contexts.
- Justifies public administration decisions using normative frameworks.

#### Curriculum map

The curriculum of the Master's Degree consists of **12 courses**, organized into **cores** that represent the progression of courses throughout the academic program. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core.** Focuses on student development in accordance with the UPAEP profile.

**Curricular Line:** Human Development

**Basic Professional Core.** Concentrates on fundamental courses of the curriculum, selected based on multidisciplinary criteria.

**Curricular Line:** Legal Culture

**Professional Core.** Includes courses specific to the field, providing students with disciplinary education.

**Curricular Lines:** Constitutional Framework, Professional Topics, and Public Administration

**Terminal Core.** Aims to develop skills for the students' final phase of the program, including completion and graduation.

**Curricular Lines:** Integration, Practical Work/Research



## Master's Degree in Applied Economics

The Master's Degree in Applied Economics educates professionals with an ethical and human perspective who explain and forecast economic behavior as a whole. They employ economic theory and quantitative tools to propose solutions in public and business economics, contributing to the common good.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241824

### Admission Profile

#### Knowledge

- Identifies basic concepts of economic theory: Microeconomics, Macroeconomics, and quantitative methods.
- Analyzes scientific texts in Spanish and English.
- Recognizes the relationship between economics and other sciences.

#### Skills

- Applies logical and mathematical reasoning to solve problems.
- Demonstrates basic research skills.
- Uses software tools for document creation and spreadsheets.

#### Attitudes

- Shows interest in current economic and social issues.
- Shares and respects UPAEP's values.
- Respects different ways of thinking.

#### Professional Skills

- Develops and applies empirical research projects relevant to social transformation, employing economic theory concepts and methods in depth.
- Proposes solutions to economic problems faced by

society in public or business economics, based on models, methods, and tools of economic analysis.

### Curriculum map and integrative educational trajectories

The curriculum of the Master's Degree is organized into **two cores**: Basic Professional and Advanced Professional. The program lasts **2 years and consists of 12 courses, structured into 4-month cycles of 14 weeks** each.

As an integral part of the program, the curriculum includes a **UPAEP Identity course**, which is a humanistic elective. Available options are: *Transformative Leadership, Ethics and Social Doctrine, Pedagogy of the Common Good, or Philosophy of Science*—four courses with a basic professional focus.

Within professional education, there are **two elective lines** consisting of three courses, which may belong to the same program or other master's programs. Options include the *Innovation, Updating, and Integration Seminars*.

Additionally, the curriculum includes two interdisciplinary electives, prioritizing courses from other master's programs that contribute to achieving the graduate profile.

The remaining two courses are research-focused curricular courses designed to support students in completing their degree requirements and ensuring successful graduation.



## Master's Degree in Applied Economics

The Master's Degree in Applied Economics educates professionals with an ethical and human perspective who explain and forecast economic behavior as a whole. They employ economic theory and quantitative tools to propose solutions in public and business economics, contributing to the common good.

Modality: Online

Campus: Puebla | RVOE Code: 20241824

### Admission Profile

#### Knowledge

- Identifies basic concepts of economic theory: Microeconomics, Macroeconomics, and quantitative methods.
- Analyzes scientific texts in Spanish and English.
- Recognizes the relationship between economics and other sciences.

#### Skills

- Applies logical and mathematical reasoning to solve problems.
- Demonstrates basic research skills.
- Uses software tools for document creation and spreadsheets.

#### Attitudes

- Shows interest in current economic and social issues.
- Shares and respects UPAEP's values.
- Respects different ways of thinking.

#### Professional Skills

- Develops and applies empirical research projects relevant to social transformation, employing economic theory concepts and methods in depth.
- Proposes solutions to economic problems faced by

society in public or business economics, based on models, methods, and tools of economic analysis.

### Curriculum map and integrative educational trajectories

The curriculum of the Master's Degree is organized into **two cores**: Basic Professional and Advanced Professional. The program lasts **2 years and consists of 12 courses, structured into 4-month cycles of 14 weeks** each.

As an integral part of the program, the curriculum includes a **UPAEP Identity course**, which is a humanistic elective. Available options are: *Transformative Leadership, Ethics and Social Doctrine, Pedagogy of the Common Good, or Philosophy of Science*—four courses with a basic professional focus.

Within professional education, there are **two elective lines** consisting of three courses, which may belong to the same program or other master's programs. Options include the *Innovation, Updating, and Integration Seminars*.

Additionally, the curriculum includes **two interdisciplinary electives**, prioritizing courses from other master's programs that contribute to achieving the graduate profile.

The remaining **two courses** are research-focused curricular courses designed to support students in completing their degree requirements and ensuring successful graduation.



## Master's Degree in Christian Social Leadership

Educate professionals at the master's level in Christian Social Leadership who are responsible and committed to leading and managing social change for the common good. Graduates will be able to analyze and assess contemporary social issues, realities, and emergencies in Latin America in the light of the Social Doctrine of the Church, and to propose action-oriented projects that promote the integral development of the human person.

Modality: Online

Campus: Puebla | RVOE Code: SEP-SES/21/114/04/2663/2019

### Admission Profile

#### Knowledge

- Critically reflects on the human person, basic needs, well-being, and ultimate purpose.
- Identifies the most relevant social issues in Latin America.
- Recognizes the evaluative processes required for the determination of the common good.

#### Skills and/or Abilities

- Observes and understands the complexity of the social reality within their context.
- Provides subsidiary support to individuals facing personal and social challenges, according to their capacities.
- Seeks service from a Christian humanistic perspective.

#### Attitudes and/or Values

- Demonstrates interest in ongoing and integral personal and professional education.
- Shows concern for others' well-being.
- Values and upholds the greatness of human dignity.

#### Professional Skills

- Analyzes the social challenges and issues of Latin America from the perspective of the common good.
- Promotes a Christian vision of leadership.
- Anticipates future events and creatively addresses emerging challenges.

#### Curriculum map and integrative educational trajectories

The curriculum map of the master's program consists of 13 courses. It is structured into academic cores that represent the progressive development of coursework throughout the curriculum. These cores are further organized into curricular lines or areas of knowledge.

**Basic Professional Core.** This core focuses on foundational courses within the curriculum and is selected through a multidisciplinary approach. It comprises three curricular lines: Fundamentals of Leadership, Theory of Knowledge, and Christian Social Thinking in Latin America.

**Professional Core.** This core includes courses specific to the discipline that provide students with specialized academic education. It consists of four curricular lines: Christian Theology, Applied Christian Social Thinking, Tools for Intervention, and Christian Sociology.

**Capstone Core.** The purpose of this core is to develop the skills students need during the final phase of the program, including degree completion and graduation requirements. It comprises one curricular line: Graduation.



## Master's Degree in Cognitive Behavioral Psychotherapy

Educate graduates in Cognitive Behavioral Psychotherapy who, grounded in clinical psychology and a scientific-human perspective, develop proposals for prevention, assessment, diagnosis, and intervention in the field of mental health through the adaptation and implementation of clinical practice guidelines, in order to provide interdisciplinary services that promote adaptive behaviors.

- Performs in-depth reading of academic texts in English.
- Demonstrates consistent academic reading habits.

### Attitudes and/or Values

- Shows interest in teamwork.
- Values the human being in their integral dimension.
- Acts with respect for human dignity and values.
- Demonstrates openness to diversity and respect for differences.

### Professional Skills

- Implements clinical and psychoeducational processes using a cognitive-behavioral approach, grounded in scientific evidence and focused on adaptive functioning.
- Adapts cognitive-behavioral clinical practice guidelines based on client characteristics and contextual needs, considering primary mental health care protocols.
- Proposes specific solutions to client needs from an interdisciplinary approach, based on ethical and bioethical principles.
- Applies the scientific method to ensure the quality of interventions and to develop research and educational proposals.

### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two academic cores: Basic Professional and Advanced Professional. The program has a total duration of two years and consists of 18 courses, structured in four-month academic terms of fourteen weeks each.

As an integral component of the academic education, the curriculum includes a UPAEP Identity course in **Bioethics**. The program also includes 12 professionally oriented courses, two elective lines consisting of two courses each within the same academic project, and three research-focused courses designed to ensure degree completion.

Modality: Grounded

Campus: Puebla | RVOE Code: 20240795

### Admission Profile

#### Knowledge

- Distinguishes objectives and procedures used in the various areas of psychology.
- Analyzes human behavior using a clinical psychology approach.
- Differentiates between quantitative, qualitative, and mixed methods for analyzing human behavior.
- Identifies clinical psychology strategies that promote mental health and quality of life.
- Recognizes ethical principles and codes of conduct for psychologists (APA, SMP).
- Understands the basic principles of cognitive-behavioral approaches.

#### Skills and/or Abilities

- Works with discipline and flexibility in interdisciplinary teams.
- Demonstrates basic scientific writing skills.
- Possesses fundamental clinical interviewing skills.
- Uses basic information and communication technologies (ICTs) applicable to the humanities and social sciences.
- Selects appropriate research methodologies according to the research problem.
- Applies descriptive and inferential statistical tests.



## Master's Degree in Constitutional Law and Amparo

Educate graduates of the Master's Degree in Constitutional Law and Amparo with an ethical and human approach, capable of using the various mechanisms of constitutional review and defense through a rigorous command of the Mexican constitutional framework, as well as international treaties, in order to protect the interests of their clients, society, and the State.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220804

### Admission Profile

#### Knowledge

- Explains general concepts of Law.
- Identifies fundamental rights, distinguishing them from human rights and individual guarantees.
- Describes the fundamental elements of the Mexican constitutional system.
- Analyzes various legal documents, interpreting their content.

#### Skills and Abilities

- Applies general and constitutional legal norms.
- Uses legal provisions in the resolution of litigation.
- Resolves general legal disputes with a coherent legal basis.
- Applies case law in the resolution of legal conflicts.

#### Attitudes and Values

- Promotes the common good as the ultimate objective of the legal profession or political practice.
- Acts in accordance with the values of justice, dignity, and solidarity in professional life.

#### Professional Skills

- Drafts legal documents related to Amparo proceedings, constitutional controversies, and

actions of unconstitutionality, among others.

- Structures procedures for the defense of individual rights based on the local and national constitutional context, as well as on the interpretation of international treaties concerning human rights.
- Defends the positions of individuals, society, and/or the State based on the Political Constitution of the United Mexican States and international legal instruments.

### Curriculum map and integrative educational trajectories

The master's degree curriculum consists of 12 courses and is organized into cores that represent the progressive development of coursework throughout the academic program. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student education in accordance with the UPAEP institutional profile. It includes one curricular line: **Human Development.**

**Basic Professional Core.** Concentrates on foundational courses of the curriculum, selected for their multidisciplinary approach. It includes one curricular line: **Legal Culture.**

**Professional Core.** Comprises discipline-specific courses that provide specialized professional education. It includes three curricular lines: **Constitutional Culture, Professional Topics, and Control of Constitutionality.**

**Capstone Core.** Aims to develop skills required for the final phase of the program and degree completion. It includes two curricular lines: **Integration and Practical Work/Thesis.**



## Master's Degree in Constitutional Law and Amparo

Educate graduates of the Master's Degree in Constitutional Law and Amparo with an ethical and human approach, capable of using the various mechanisms of constitutional review and defense through a rigorous command of the Mexican constitutional framework, as well as international treaties, in order to protect the interests of their clients, society, and the State.

Modality: Online

Campus: Puebla | RVOE Code: 20241834

### Admission Profile

#### Knowledge

- Explains general concepts of Law.
- Identifies fundamental rights, distinguishing them from human rights and individual guarantees.
- Describes the fundamental elements of the Mexican constitutional system.
- Analyzes various legal documents, interpreting their content.

#### Skills and Abilities

- Applies general and constitutional legal norms.
- Uses legal provisions in the resolution of litigation.
- Resolves general legal disputes with a coherent legal basis.
- Applies case law in the resolution of legal conflicts.

#### Attitudes and Values

- Promotes the common good as the ultimate objective of the legal profession or political practice.
- Acts in accordance with the values of justice, dignity, and solidarity in professional life.

#### Professional Skills

- Drafts legal documents related to Amparo proceedings, constitutional controversies, and

actions of unconstitutionality, among others.

- Structures procedures for the defense of individual rights based on the local and national constitutional context, as well as on the interpretation of international treaties concerning human rights.
- Defends the positions of individuals, society, and/or the State based on the Political Constitution of the United Mexican States and international legal instruments.

### Curriculum map and integrative educational trajectories

The curriculum of the master's degree is organized into two cores: the **Basic Professional Core** and the **Advanced Professional Core**. The academic program has a total duration of 2 years and comprises 12 courses, structured into 4-month terms of 14 **weeks each**.

As an integral part of the academic education and within its course offerings, the program includes a UPAEP Identity **course**, *Ethics and Social Doctrine*, **seven professionally oriented courses**, and one **elective course in Professional Topics**. The remaining **three courses belong to the research area**, which support and ensure the student's completion and degree conferral.



## Master's Degree in Constitutional Law and Amparo

Educate graduates in Constitutional Law and Amparo with an ethical and human approach, who contribute to the resolution of individual legal issues through the application of legal procedures related to Human Rights, Federal Powers, and Amparo, as well as through the interpretation and enforcement of legal provisions, in order to promote legal effectiveness and improve the application of the law at the regional level.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20193788

### Admission Profile

#### Knowledge

- Recognizes the general principles of Law and the legal system as a whole.
- Distinguishes Human Rights and the institutions responsible for their protection.
- Recognizes the values of justice, freedom, legal certainty, equity, the culture of legality, and solidarity among social groups and individuals.
- Analyzes the philosophical and theoretical foundations of Law and their practical application.

#### Skills

- Demonstrates argumentative and reasoning skills.
- Applies scientific research criteria in professional practice.
- Actively participates in interdisciplinary teams as a legal expert, contributing effectively to assigned tasks.

#### Attitudes and/or Values

- Is aware of the importance of the effective application of justice to combat corruption and authoritarianism.
- Values the importance of ethics in the legal profession and social responsibility.
- Demonstrates transformational leadership.

- Shows an entrepreneurial, participatory, and analytical attitude.
- Promotes a human and integrative vision, valuing social and ethical responsibility.
- Demonstrates critical awareness in analyzing the legal system.

#### Habits

- Reading habit
- Study habit

#### Professional Skills

- Applies up-to-date scientific and technical information in the professional context.
- Demonstrates argumentative skills for oral and written legal defense in specific situations.
- Applies legal norms in accordance with their meaning and scope.
- Represents regional legal institutions, whether public and/or private.
- Exercises transformational leadership and a service-oriented attitude in the interpretation of the foundations of epistemology, as well as in the analysis and description of legal models.
- Uses the philosophical and legal foundations of Human Rights and the guarantees enshrined in the Political Constitution to identify situations of significant rights violations.
- Demonstrates an understanding of the integration of the federal branches of government, the functions of their constituent bodies, and their respective skills in the implementation of constitutional review mechanisms.
- Applies the legal principles underlying the Amparo proceeding as a means of protecting Human Rights and Individual Guarantees.
- Implements legal research methods, techniques, and strategies in Constitutional Law and Amparo for the development of research projects.

#### Curriculum map

The master's curriculum consists of **17 courses**, organized into **Cores** that reflect the progressive development of the academic program. These are further structured into curricular lines or areas of knowledge:

**Common Core.** Emphasizes student development in alignment with the UPAEP institutional profile.

Curricular Line: Leadership

**Basic Professional Core.** Includes foundational courses selected for their multidisciplinary approach.

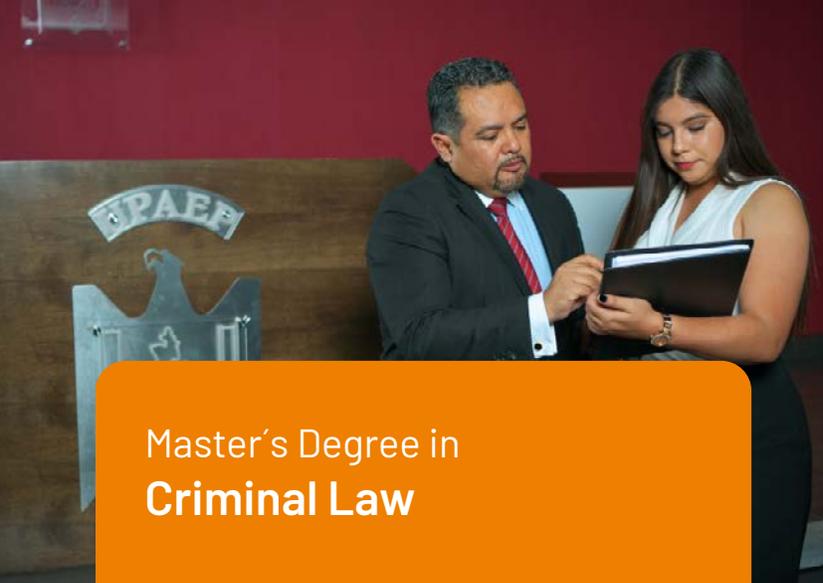
Curricular Line: Human Rights and the Constitution

**Professional Core.** Comprises discipline-specific courses that provide advanced professional education.

Curricular Lines: Federal Powers and Amparo

**Terminal Core.** Focused on developing skills required for program completion and degree attainment.

Curricular Line: Research



## Master's Degree in Criminal Law

Educate graduates of the Master's Degree in Criminal Law with an ethical and humanistic approach, capable of responding to the modalities of the criminal justice system within current legal institutions, through the application of criminal legislation, doctrine, and case law, as well as Human Rights and auxiliary sciences oriented toward crime prevention, in order to protect legal interests, administer justice, and promote equity in the pursuit of social coexistence.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20193786

### Admission Profile

#### Knowledge

- Recognizes the general principles of Law and the national legal system.
- Distinguishes social, political, and economic phenomena related to Criminal Law.
- Analyzes the principles governing Human Rights.
- Relates the content of the National Criminal Code to other legal frameworks.
- Identifies the theories of crime.

#### Skills and Abilities

- Interprets the general principles of Criminal Law.
- Proposes and conducts information searches within the field of Criminal Law.
- Applies legal norms and laws of the legal system to specific contextual situations.
- Resolves specific cases in accordance with the Criminal Code and Human Rights.
- Demonstrates legal argumentation skills, using fluent and technical language.

#### Attitudes

- Shows openness to dialogue.
- Values the importance of continuous professional

development in Criminal Law.

- Demonstrates interest in social justice, prioritizing the principles of Criminal Law.

#### Habits

- Acts with critical awareness within the Criminal Justice System.
- Responds with professional ethics to specific situations.

#### Professional Skills

- Demonstrates argumentation skills for oral or written defense in Criminal Law matters.
- Applies criminal law norms in accordance with their meaning and scope.
- Represents regional legal institutions, both public and private, ensuring full recognition of the Criminal Justice System and Human Rights.
- Exercises transformative leadership and a service-oriented attitude in the interpretation of criminal legal doctrine and the analysis of theories of crime.
- Uses auxiliary sciences of Criminal Law to identify situations of greater legal transgression.
- Integrates criminal law sciences and theories to formulate legal judgments based on information that includes reflections on social and ethical responsibilities.
- Implements methods, techniques, and strategies of legal research in Criminal Law for the development of research projects.

#### Curriculum map and integrative educational trajectories

The curriculum of the master's degree consists of **16 courses**, organized into **cores** that represent the progression of courses throughout the academic program and are further divided into curricular lines or areas of knowledge.

**Common Core.** Emphasizes student development in accordance with the UPAEP institutional profile.

Curricular Line: Leadership

**Professional Basic Core.** Concentrates on foundational courses of the curricular project, selected for their multidisciplinary approach.

Curricular Lines: Criminal Procedure Theories, Criminal Legal Dogmatics.

**Professional Core.** Includes courses specific to the discipline that provide students with specialized professional education.

Curricular Lines: Criminal Justice System and Human Rights, Auxiliary Sciences in Criminal Law, The Accusatory System and Alternative Justice in Mexico.

**Capstone Core.** Focused on the development of skills required for program completion and degree attainment.

Curricular Line: Research



## Master's Degree in Education

Educate graduates with a Master's Degree in Education, grounded in an ethical and human approach, who contribute to the solution of educational challenges in diverse contexts through the integration of cutting-edge pedagogical theories, methodologies, and techniques, in order to design professional intervention proposals and positively influence the training and development of the stakeholders involved.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20241831

### Admission Profile

#### Knowledge

- Recognizes the foundations of the educational process.
- Analyzes the educational needs of their environment.

#### Skills

- Uses basic computer software tools.
- Demonstrates autonomy in learning.

#### Attitudes and Values

- Shows interest in the holistic development of individuals.
- Is inclined toward service to others.
- Demonstrates concern for research on education-related topics.

#### Professional Skills

- Analytically and critically selects theoretical and methodological principles in education to support and implement professional interventions that foster the holistic development of individuals.
- Designs and evaluates educational intervention proposals with social impact, collaboratively and supported by educational research, contributing to the improvement of identified educational challenges.

### Curriculum map and integrative educational trajectories

The curriculum map of the master's program is organized into two cores: the Basic Professional Core and the Advanced Professional Core. The curriculum project spans 2 years and comprises 12 courses, organized into 4-month academic terms of 14 weeks each.

As an integral part of the academic education, the program includes a UPAEP Identity course, which corresponds to a humanistic education elective. The available options are: *Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good*. The curriculum also includes five courses with a basic professional focus.

Within the professional education component, the program offers two elective lines, consisting of three courses. The remaining three courses are in the research area and are designed to ensure completion of degree requirements.



## Master's Degree in Education

Educate graduates with a Master's Degree in Education, grounded in an ethical and human approach, who contribute to the solution of educational challenges in diverse contexts through the integration of cutting-edge pedagogical theories, methodologies, and techniques, in order to design professional intervention proposals and positively influence the training and development of the stakeholders involved.

Modality: Online

Campus: Puebla | RVOE Code: 20241831

### Admission Profile

#### Knowledge

- Recognizes the foundations of the educational process.
- Analyzes the educational needs of their environment.

#### Skills

- Uses basic computer software tools.
- Demonstrates autonomy in learning.

#### Attitudes and Values

- Shows interest in the holistic development of individuals.
- Is inclined toward service to others.
- Demonstrates concern for research on education-related topics.

#### Professional Skills

- Analytically and critically selects theoretical and methodological principles in education to support and implement professional interventions that foster the holistic development of individuals.
- Designs and evaluates educational intervention proposals with social impact, collaboratively and supported by educational research, contributing to the improvement of identified educational challenges.

### Curriculum map and integrative educational trajectories

The curriculum map of the master's program is organized into two cores: the Basic Professional Core and the Advanced Professional Core. The curriculum project spans 2 years and comprises 12 courses, organized into 4-month academic terms of 14 weeks each.

As an integral part of the academic education, the program includes a **UPAEP Identity course**, which corresponds to a humanistic education elective. The available options are: *Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good*. The curriculum also includes five courses with a basic professional focus.

Within the professional education component, the program offers two elective lines, consisting of three courses. The remaining three courses are in the research area and are designed to ensure completion of degree requirements.



## Master's Degree in Education and Human Development

Educate graduates of the Master's Degree in Human and Educational Development with an ethical and human orientation, who integrate human development approaches into education by generating strategies for guidance, personal growth, and group development, aimed at improving intra- and interpersonal relationships within educational settings.

- Designs guidance and support strategies aimed at fostering the individual's integral development and improving intra- and interpersonal relationships.
- Transforms educational practice through personal and professional reflection processes in order to address challenges present in educational environments.

### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two cores: Basic Professional Core and Advanced Professional Core. The academic program has a total duration of 2 years and comprises 12 courses, structured into 4-month terms of 14 weeks each.

As an integral component of the academic education, the curriculum includes a UPAEP Identity course, *Pedagogy of the Common Good*. The program also includes six professionally oriented courses and two interdisciplinary electives, prioritizing options from other master's programs that contribute to the development of the graduate profile. The remaining three courses belong to the research area and are designed to ensure degree completion.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251727

### Admission Profile

#### Knowledge

- Recognizes the characteristics and potential of the human being as an individual and as a member of a group and society.
- Identifies human development as a starting point for improving interpersonal relationships.

#### Skills

- Works collaboratively in organizational and/or educational environments.
- Manages their own learning process through technological tools.
- Uses oral and written language in a structured manner to communicate ideas effectively.

#### Attitudes and Values

- Values the importance of human development in educational, family, and community contexts.
- Is aware that education is a pathway for personal growth and improvement.

#### Professional Skills

- Integrates human development approaches into educational processes to promote personal and group growth.



## Master's Degree in Education and Human Development

Educate graduates of the Master's Degree in Human and Educational Development with an ethical and human orientation, who integrate human development approaches into education by generating strategies for guidance, personal growth, and group development, aimed at improving intra- and interpersonal relationships within educational settings.

- Designs guidance and support strategies aimed at fostering the individual's integral development and improving intra- and interpersonal relationships.
- Transforms educational practice through personal and professional reflection processes in order to address challenges present in educational environments.

### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two cores: Basic Professional Core and Advanced Professional Core. The academic program has a total duration of 2 years and comprises 12 courses, structured into 4-month terms of 14 weeks each.

As an integral component of the academic education, the curriculum includes a UPAEP Identity course, *Pedagogy of the Common Good*. The program also includes six professionally oriented courses and two interdisciplinary electives, prioritizing options from other master's programs that contribute to the development of the graduate profile. The remaining three courses belong to the research area and are designed to ensure degree completion.

Modality: Online

Campus: Puebla | RVOE Code: 20251727

### Admission Profile

#### Knowledge

- Recognizes the characteristics and potential of the human being as an individual and as a member of a group and society.
- Identifies human development as a starting point for improving interpersonal relationships.

#### Skills

- Works collaboratively in organizational and/or educational environments.
- Manages their own learning process through technological tools.
- Uses oral and written language in a structured manner to communicate ideas effectively.

#### Attitudes and Values

- Values the importance of human development in educational, family, and community contexts.
- Is aware that education is a pathway for personal growth and improvement.

#### Professional Skills

- Integrates human development approaches into educational processes to promote personal and group growth.



## Master's Degree in Education Research

Educate graduates of the Master's Degree in Educational Research with an ethical and human perspective, grounded in theoretical, practical, and methodological foundations that address educational research problems related to actors, processes, practices, and/or educational systems. Through systematic, rigorous, and well-founded analysis, graduates will be prepared to interpret complex educational contexts and situations and to generate knowledge within the field of education.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241825

### Admission Profile

#### Knowledge

- Identifies the foundations of education.
- Recognizes education as an object of knowledge.
- Distinguishes the theoretical and methodological foundations of educational research.
- Identifies emerging problems in educational research.
- Interprets social phenomena that impact the educational field.

#### Skills and Abilities

- Communicates effectively in oral and written forms.
- Synthesizes information related to research problems.
- Demonstrates self-directed learning skills.
- Selects relevant and contextually appropriate information.
- Demonstrates proficiency in a second language.
- Uses Information and Communication Technologies (ICTs) in learning and research processes.

#### Attitudes and Values

- Values collaborative and interdisciplinary work.
- Shows an inclination toward educational research.
- Respects individuals and universal values.
- Appreciates human diversity.
- Values ethical and civil engagement.

#### Professional Skills

- Designs educational research projects through well-grounded analysis of diverse educational issues in areas such as ethics, autonomy, and educational processes.
- Develops educational research projects supported by theoretical and methodological foundations aligned with a specific line of knowledge generation.
- Disseminates the results of educational research and generates knowledge in academic exchange settings.

#### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two cores: Basic Professional Core and Advanced Professional Core. The program has a total duration of 2 years and comprises 12 courses, structured into 4-month terms of 14 weeks each. As an integral part of the program, one institutional hallmark course is included; this course corresponds to a Human Education elective and includes the following options: *Transformative Leadership*, *Ethics and Social Doctrine*, or *Pedagogy of the Common Good*.

The curriculum includes one Basic Professional course. Within the professional education component, students choose from two elective lines, each consisting of three courses, which may be from this program or other master's programs. The elective options include Seminars in Innovation, Updating, and Integration. Additionally, two interdisciplinary elective courses are included, prioritizing offerings from other master's programs that contribute to the graduate profile. The remaining five courses belong to the research area and are designed to ensure degree completion.



## Master's Degree in Education Research

Educate graduates of the Master's Degree in Educational Research with an ethical and human perspective, grounded in theoretical, practical, and methodological foundations that address educational research problems related to actors, processes, practices, and/or educational systems. Through systematic, rigorous, and well-founded analysis, graduates will be prepared to interpret complex educational contexts and situations and to generate knowledge within the field of education.

Modality: Online

Campus: Puebla | RVOE Code: 20241825

### Admission Profile

#### Knowledge

- Identifies the foundations of education.
- Recognizes education as an object of knowledge.
- Distinguishes the theoretical and methodological foundations of educational research.
- Identifies emerging problems in educational research.
- Interprets social phenomena that impact the educational field.

#### Skills and Abilities

- Communicates effectively in oral and written forms.
- Synthesizes information related to research problems.
- Demonstrates self-directed learning skills.
- Selects relevant and contextually appropriate information.
- Demonstrates proficiency in a second language.
- Uses Information and Communication Technologies (ICTs) in learning and research processes.

#### Attitudes and Values

- Values collaborative and interdisciplinary work.
- Shows an inclination toward educational research.
- Respects individuals and universal values.

- Appreciates human diversity.
- Values ethical and civil engagement.

#### Professional Skills

- Designs educational research projects through well-grounded analysis of diverse educational issues in areas such as ethics, autonomy, and educational processes.
- Develops educational research projects supported by theoretical and methodological foundations aligned with a specific line of knowledge generation.
- Disseminates the results of educational research and generates knowledge in academic exchange settings.

#### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two cores: Basic Professional Core and Advanced Professional Core. The program has a total duration of two years and comprises 12 courses, structured in four-month terms of fourteen weeks each. As an integral part of the program, one institutional hallmark course is included; this course corresponds to a Human Education elective and includes the following options: *Transformative Leadership*, *Ethics and Social Doctrine*, or *Pedagogy of the Common Good*.

The curriculum includes one Basic Professional course. Within the professional education component, students choose from two elective lines, each consisting of three courses that may be from this program or other master's programs. The elective options include *Seminars in Innovation, Updating, and Integration*. Additionally, two interdisciplinary elective courses are included, prioritizing offerings from other master's programs that contribute to the graduate profile. The remaining five courses belong to the research area and are designed to ensure degree completion.



## Master's Degree in Educational Innovation

Educate graduates of the Master's Degree in Educational Innovation, from an ethical and human approach, who design and implement creative educational strategies and innovative tools that promote enhanced learning experiences. This is achieved through the analysis of educational paradigms, self-regulation processes, neuroeducation, and the integration of technology, enabling graduates to become agents who foster positive change within their socio-educational contexts.

- Implements innovative educational strategies supported by learning and knowledge technologies (LKT) to enrich learning experiences in diverse educational contexts.
- Proposes innovative educational solutions aimed at transforming socio-educational environments.
- Designs innovative learning experiences that address the needs of students' holistic development.

### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two cores: Basic Professional Core and Advanced Professional Core. The academic program lasts 2 years and comprises 12 courses, organized into 4-month academic terms of 14 weeks each. As an integral part of the program, the curriculum includes a UPAEP Identity course, *Transformative Leadership*, eight professionally oriented courses, and one Professional Topics Elective, with priority given to courses from other master's programs that contribute to the graduate profile. The remaining two courses correspond to the research area and are designed to support degree completion.

Modality: Online  
Campus: Puebla | RVOE Code: 20241820

### Admission Profile

#### Knowledge

- Identifies information and communication technologies (ICTs).
- Distinguishes the general elements and characteristics, needs, interests, and environments for human development within educational processes.

#### Skills and Abilities

- Performs basic tasks in digital environments.
- Demonstrates problem-solving skills in learning situations.
- Manages self-directed learning strategies.

#### Attitudes and Values

- Respects the dignity and freedom of the human person.
- Demonstrates willingness for self-directed learning.
- Shows openness to change.
- Displays interest in education in general.
- Shows concern for professional teacher development.

#### Professional Skills

- Incorporates emerging trends in education for the development of educational strategies.



## Master's Degree in Educational Technology

Educate graduates of the Master's Degree in Educational Technology with an ethical and human perspective, who design, develop, and implement technology-mediated educational projects in diverse educational environments. This is achieved through reflective professional practice that integrates innovative teaching models, methodologies, and strategies to generate meaningful learning and academic performance, fostering the development of digital citizens across diverse learning ecosystems.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20251729

### Admission Profile

#### Knowledge

- Identifies basic technological and internet navigation skills, such as information search and selection, office software skills, and the use of digital media for communication.
- Describes the importance of technology integration in educational processes.
- Distinguishes digital-format instructional materials available in open digital environments.

#### Skills

- Applies digital technologies and general technological devices in everyday life.
- Conducts searches for digital information and resources on the Internet to integrate them into professional practice.

#### Attitudes

- Demonstrates responsibility and honesty.
- Shows interest in collaborative work.
- Values student participation and collaboration in teaching, learning, and assessment processes.

- Appreciates design and creativity in the learning process.
- Shows commitment to service within the community.

#### Professional Skills

- Designs technology-mediated educational intervention proposals with an ethical approach to foster innovative learning ecosystems.
- Develops and implements creative digital instructional materials to create learning environments that generate meaningful experiences.
- Evaluates the impact of technology integration in educational intervention proposals for the common good, using models and methodologies specific to the field.
- Manages the technological mediation of instructional proposals supported by digital technologies across different educational contexts and modalities.

#### Curriculum map and integrative educational trajectories

The curriculum map of the master's degree is organized into two cores: Basic Professional Core and Advanced Professional Core. The curricular project has a total duration of two years and comprises 12 courses, structured in four-month terms of fourteen weeks each.

As an integral part of the academic education and within its coursework, the program includes a UPAEP Identity course, *Pedagogy of the Common Good*, along with six professionally oriented courses. In addition, two courses are designated as Interdisciplinary Electives, with priority given to options from other master's programs that contribute to the development of the graduate profile. The remaining three courses belong to the Research Area, which supports and ensures degree completion.



## Master's Degree in Educational Technology

Educate graduates of the Master's Degree in Educational Technology with an ethical and human perspective, who design, develop, and implement technology-mediated educational projects in diverse educational environments. This is achieved through reflective professional practice that integrates innovative teaching models, methodologies, and strategies to generate meaningful learning and academic performance, fostering the development of digital citizens across diverse learning ecosystems.

Modality: Online  
Campus: Puebla | RVOE Code: 20251729

### Admission Profile

#### Knowledge

- Identifies basic technological and internet navigation skills, such as information search and selection, office software skills, and the use of digital media for communication.
- Describes the importance of technology integration in educational processes.
- Distinguishes digital-format instructional materials available in open digital environments.

#### Skills

- Applies digital technologies and general technological devices in everyday life.
- Conducts searches for digital information and resources on the Internet to integrate them into professional practice.

#### Attitudes

- Demonstrates responsibility and honesty.
- Shows interest in collaborative work.
- Values student participation and collaboration in teaching, learning, and assessment processes.
- Appreciates design and creativity in the learning process.

- Shows commitment to service within the community.

#### Professional Skills

- Designs technology-mediated educational intervention proposals with an ethical approach to foster innovative learning ecosystems.
- Develops and implements creative digital instructional materials to create learning environments that generate meaningful experiences.
- Evaluates the impact of technology integration in educational intervention proposals for the common good, using models and methodologies specific to the field.
- Manages the technological mediation of instructional proposals supported by digital technologies across different educational contexts and modalities.

#### Curriculum map and integrative educational trajectories

The curriculum map of the master's degree is organized into two cores: Basic Professional Core and Advanced Professional Core. The curricular project has a total duration of two years and comprises 12 courses, structured in four-month terms of fourteen weeks each.

As an integral part of the academic education and within its coursework, the program includes a UPAEP Identity course, *Pedagogy of the Common Good*, along with six professionally oriented courses. In addition, two courses are designated as Interdisciplinary Electives, with priority given to options from other master's programs that contribute to the development of the graduate profile. The remaining three courses belong to the Research Area, which supports and ensures degree completion.



## Master's Degree in Family Orientation and Development

Educate graduates of the Master's Degree in Family Guidance and Development, grounded in an ethical and human approach, who accompany family members in reflecting on their environment as the foundation of society. Through the design of guidance projects at the individual, group, community, and institutional levels, graduates will promote the importance of the family within their social context.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20251734

### Admission Profile

#### Knowledge

- Identifies fundamental concepts of family theory.
- Recognizes the essential elements of the educational process.

#### Skills

- Proficient in the use of office software and technological tools.
- Demonstrates oral and written communication skills.
- Articulates learning processes and actions autonomously.

#### Attitudes

- Is aware of the importance of the dignity of the human person and the family as a natural institution.
- Demonstrates a spirit of service to society.
- Values the importance of collaborative work.

#### Professional Skills

- Relates the theoretical and practical foundations of family principles and functions to guidance practices from a pedagogical, philosophical, sociological, psychological, and legal perspective, within an integral humanistic approach.
- Develops cutting-edge strategies and tools to support

- guidance and accompaniment processes for families.
- Designs educational and community-based projects adapted to current needs, linking guidance practices with support institutions that address diverse family-related challenges.

#### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two cores: **Basic Professional Core** and **Advanced Professional Core**. The program has a total duration of 2 years and comprises 12 courses, structured into 4-month academic cycles of 14 weeks each.

As an integral component of the program, a **UPAEP Identity course**, *Pedagogy of the Common Good*, is included.

The curriculum also includes six professionally oriented courses, two interdisciplinary elective courses—prioritizing options from other master's programs that contribute to the graduate profile—and three research-area courses designed to ensure degree completion.



## Master's Degree in Family Orientation and Development

Educate Master's graduates in Family Guidance and Development, grounded in an ethical and human approach, who accompany family members in reflecting on their environment as the foundation of society. Through the design of guidance projects at the individual, group, community, and institutional levels, graduates will promote the importance of the family within its social context.

Modality: Online  
Campus: Puebla | RVOE Code: 20251734

### Admission Profile

#### Knowledge

- Identifies fundamental concepts of family theory.
- Recognizes the essential elements of the educational process.

#### Skills

- Proficient in the use of office software and technological tools.
- Demonstrates oral and written communication skills.
- Articulates learning processes and actions autonomously.

#### Attitudes

- Is aware of the importance of the dignity of the human person and the family as a natural institution.
- Demonstrates a spirit of service to society.
- Values the importance of collaborative work.

#### Professional Skills

- Relates the theoretical and practical foundations of family principles and functions to guidance practices from a pedagogical, philosophical, sociological, psychological, and legal perspective, within an integral humanistic approach.
- Develops cutting-edge strategies and tools to support

guidance and accompaniment processes for families.

- Designs educational and community-based projects adapted to current needs, linking guidance practices with support institutions that address diverse family-related challenges.

### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two cores: **Basic Professional Core** and **Advanced Professional Core**. The program lasts 2 years and comprises 12 courses, structured into 4-month academic cycles of 14 weeks each.

As an integral component of the program, one **UPAEP Identity course**, *Pedagogy of the Common Good*, is included.

The curriculum also includes six professionally oriented courses, two interdisciplinary elective courses—prioritizing options from other master's programs that contribute to the graduate profile—and three research-area courses designed to ensure degree completion.



## Master's Degree in Family Sciences

Educate Master's graduates in Family Sciences with an ethical and human approach, fostering a culture of the family oriented toward the common good of society, through the implementation of their work as disseminators, promoters, advisors, trainers, and counselors, in order to respond to the needs currently affecting families.

Modality: Online

Campus: Puebla | RVOE Code: 20220715

### Admission Profile

#### Knowledge

- Identifies theoretical concepts related to the study of the family.
- Recognizes issues and challenges related to Family Sciences.

#### Skills

- Demonstrates initiative in addressing the needs of family members, both in general and specific contexts.
- Has basic proficiency in the use of technological tools.
- Demonstrates the ability to analyze and synthesize information.

#### Attitudes

- Shows concern for solving family and social problems.
- Demonstrates responsibility and commitment to the learning process.

#### Professional Skills

- Proposes solutions to address family needs and challenges, working in an interdisciplinary manner as a disseminator, promoter, advisor, trainer, and counselor.
- Designs projects with social relevance, supported by scientific information, that promote the strengthening of the person, marriage, and the family.



- Proposes strategies that address all areas of family life, aimed at promoting the common good of society.

### Curriculum map

The Master's program curriculum map comprises 18 courses. It is organized into core areas that represent the progression of courses throughout the curricular pathway, which, in turn, are divided into curricular lines or areas of knowledge.

**Basic Professional Core.** This core concentrates on fundamental courses of the curricular project, selected for their multidisciplinary approach. It includes two curricular lines: *Human Person and Sexuality*.

**Professional Core.** This core includes discipline-specific courses that provide students with specialized professional education. It comprises four curricular lines: *Marriage, Family and Its Environment, Family Education, and Professional Topics*.

**Capstone Core.** The purpose of this core is to develop skills that prepare students for the final phase and degree completion of the academic program. It consists of one curricular line: *Research*.



## Master's Degree in Historical Studies

Educate Master's graduates in Historical Studies who, with an ethical and human approach, contribute to the development of historical science and research on the History of Mexico, Mexican identity, and Hispanic America. Graduates analyze diverse political, social, cultural, ecclesiastical, economic, philosophical, literary, and artistic perspectives within the Mexican and Hispanic American context to strengthen historical knowledge and its impact on social reality.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220805

### Admission Profile

#### Knowledge

- Distinguishes the fundamental principles of the History of Mexico and Hispanic America.
- Recognizes basic primary sources used in historical research.

#### Skills

- Uses tools for analysis and synthesis.
- Writes basic academic texts.
- Uses the English language for written communication.

#### Attitudes

- Shows interest in expanding historical knowledge.
- Appreciates the importance of research in History.
- Is aware of the importance of reading as a formative practice.

#### Professional Skills

- Produces research papers that analyze the causes and consequences of historical events in Mexico from the discipline of History, enabling an integral understanding of historical processes and the reality of their development.
- Promotes the creation of schools of thought on the

History of Mexico that connect with contemporary reality, strengthening appreciation for national identity and Mexican history.

- Interprets Mexican culture, identity, and historical evolution from a humanistic perspective that fosters social dialogue for the Common Good and civil engagement.

### Curriculum map

The curriculum map of the Master's program consists of 16 courses. It is organized into core areas that represent the progression of courses throughout the curricular pathway and are, in turn, divided into curricular lines or areas of knowledge.

**Institutional Core.** This core emphasizes student education in accordance with the UPAEP institutional profile. It includes one curricular line: *Human Development*.

**Professional Core.** This core includes discipline-specific courses that provide students with specialized academic education. It comprises four curricular lines: *Development and Research in History, Civil History, Ecclesiastical History, and Art History*.

**Elective Core.** Students may choose one of two curricular lines: *Historical Training or Historiography*.

**Capstone Core.** The purpose of this core is to develop skills that prepare students for the completion and degree-granting phase of the academic program. It consists of one curricular line: *Research*.



## Master's Degree in Language Teaching and Interculturality

Educate Master's graduates in Language Teaching and Interculturality with an ethical and human approach, who create environments for language teaching by incorporating and applying global, linguistic, sociocultural, and technological knowledge and skills, with the purpose of innovatively exercising teaching practice in language learning within multicultural contexts.

Modality: Grounded

Campus: Puebla | RVOE Code: 20230344

### Admission Profile

- Bachelor's degree in Languages, Linguistics, Language Teaching, Pedagogy, Psychology, or a related field, or a minimum of three years of experience in language teaching.
- B2 language proficiency certificate or native proficiency in a language other than Spanish.

### Knowledge

- Identifies basic concepts and terminology of language.
- Relates principles of language learning and teaching.
- Distinguishes strategies for teaching language skills.
- Recognizes basic grammatical concepts.

### Skills

- Manages planning elements, instructional resources, and learning assessment.
- Applies classroom management strategies.
- Uses information technologies effectively.

### Attitudes and Values

- Values reflection on the teaching-learning process.
- Shows interest in foreign languages and different cultures.
- Respects and is aware of diversity.
- Shows interest in research and the dissemination of

knowledge.

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### Professional Skills

- Creates inclusive language-teaching environments by incorporating global, linguistic, sociocultural, and technological knowledge and skills to support learning.
- Exercises teaching practice in language education by applying global, linguistic, sociocultural, and technological skills in favor of learning.

### Curriculum map

The curriculum map of the Master's program consists of 12 courses. It is organized into core areas that represent the progression of courses throughout the curricular pathway and are, in turn, divided into curricular lines or areas of knowledge.

**Institutional Core.** This core emphasizes student education in accordance with the UPAEP institutional profile. It includes one curricular line: *Human Development*.

**Basic Professional Core.** This core concentrates on fundamental courses of the curricular project, selected for their multidisciplinary approach. It includes two curricular lines: *Foundations of Language Teaching and Language and Culture*.

**Professional Core.** This core includes discipline-specific courses that provide students with specialized professional education. It comprises three curricular lines: *Language Teaching, Global Culture, and Professional Topics*.

**Terminal Core.** The purpose of this core is to develop skills that prepare students for the completion and degree-granting phase of the academic program. It consists of one curricular line: *Research*.



## Master's Degree in Language Teaching and Interculturality

Educate Master's graduates in Language Teaching and Interculturality with an ethical and human approach, who create environments for language teaching by incorporating and applying global, linguistic, sociocultural, and technological knowledge and skills, with the purpose of innovatively exercising teaching practice in language learning within multicultural contexts.

- Shows interest in research and the dissemination of knowledge.

### Professional Skills

- Creates inclusive language-teaching environments by incorporating global, linguistic, sociocultural, and technological knowledge and skills to support learning.
- Exercises teaching practice in language education by applying global, linguistic, sociocultural, and technological skills in favor of learning.

Modality: Online

Campus: Puebla | RVOE Code: 20230346

### Admission Profile

- Bachelor's degree in Languages, Linguistics, Language Teaching, Pedagogy, Psychology, or a related field, or a minimum of three years of experience in language teaching.
- B2 language proficiency certificate or native proficiency in a language other than Spanish.

### Knowledge

- Identifies basic concepts and terminology of language.
- Relates principles of language learning and teaching.
- Distinguishes strategies for teaching language skills.
- Recognizes basic grammatical concepts.

### Skills

- Manages planning elements, instructional resources, and learning assessment.
- Applies classroom management strategies.
- Uses information technologies effectively.

### Attitudes and Values

- Values reflection on the teaching-learning process.
- Shows interest in foreign languages and different cultures.
- Respects and is aware of diversity.

### Curriculum map

The curriculum map of the Master's program consists of 12 courses. It is organized into core areas that represent the progression of courses throughout the curricular pathway and are, in turn, divided into curricular lines or areas of knowledge.

**Institutional Core.** This core emphasizes student education in accordance with the UPAEP institutional profile. It includes one curricular line: *Human Development*.

**Basic Professional Core.** This core concentrates on fundamental courses of the curricular project, selected for their multidisciplinary approach. It includes two curricular lines: *Foundations of Language Teaching and Language and Culture*.

**Professional Core.** This core includes discipline-specific courses that provide students with specialized professional education. It comprises three curricular lines: *Language Teaching, Global Culture, and Professional Topics*.

**Terminal Core.** The purpose of this core is to develop skills that prepare students for the completion and degree-granting phase of the academic program. It consists of one curricular line: *Research*.



## Master's Degree in Leadership and Educational Management

Educate Master's graduates in Educational Leadership and Management with an ethical and human vision, who lead educational organizations through reflective practice and the implementation of management tools, in order to improve institutional plans, programs, and projects from a quality-oriented, person-centered approach.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252136

### Admission Profile

#### Knowledge

- Identifies concepts related to administration and educational management.
- Recognizes basic concepts of mathematics and finance.
- Distinguishes the characteristics of a leader.
- Describes social, political, and economic aspects of education.

#### Skills

- Uses oral and written language effectively for communication.
- Proposes solutions to problems within their professional context.
- Plans and executes processes in their work environment.
- Applies digital technologies for information, communication, knowledge, and learning.
- Demonstrates self-directed learning skills.
- Participates collaboratively in project development.

#### Attitudes

- Demonstrates commitment to the quality of education.
- Responds optimistically to change.

- Values personal, ethical, and civil engagement in educational contexts.
- Shows interest in innovation in educational and management processes.
- Acts with empathy toward others' problems and needs.

#### Professional Skills

- Implements a strategic plan that addresses leadership and management strategies in institutional processes from a person-centered perspective, in order to improve educational experiences and relationships among members of the school community.
- Develops human talent management projects aimed at the improvement and growth of both staff members and the educational institution.
- Transforms professional practice in educational management through a reflective approach to address the complexity of managing educational institutions.

#### Curriculum map

The curriculum map of the Master's program is organized into two core areas: the *Basic Professional Core* and the *Advanced Professional Core*. The curricular project has a total duration of 2 years and comprises 12 courses, structured into 4-month academic cycles of 14 weeks each.

As an integral part of the academic program, one UPAEP Identity elective course is included. Students may choose between *Transformative Leadership* or *Pedagogy of the Common Good*. The curriculum also includes six professional-oriented courses. Additionally, two courses are designated as interdisciplinary electives, with priority given to courses from other Master's programs that contribute to the development of the graduate profile. The remaining three courses align with the research area and support completion of degree requirements.



## Master's Degree in Leadership and Educational Management

Educate Master's graduates in Educational Leadership and Management with an ethical and human vision, who lead educational organizations through reflective practice and the implementation of management tools, in order to improve institutional plans, programs, and projects from a quality-oriented, person-centered approach.

- Values personal, ethical, and civil engagement in educational contexts.
- Shows interest in innovation in educational and management processes.
- Acts with empathy toward others' problems and needs.

Modality: Online  
Campus: Puebla | RVOE Code: 20220708

### Admission Profile

#### Knowledge

- Identifies concepts related to administration and educational management.
- Recognizes basic concepts of mathematics and finance.
- Distinguishes the characteristics of a leader.
- Describes social, political, and economic aspects of education.

#### Skills

- Uses oral and written language effectively for communication.
- Proposes solutions to problems within their professional context.
- Plans and executes processes in their work environment.
- Applies digital technologies for information, communication, knowledge, and learning.
- Demonstrates self-directed learning skills.
- Participates collaboratively in project development.

#### Attitudes

- Demonstrates commitment to the quality of education.
- Responds optimistically to change.

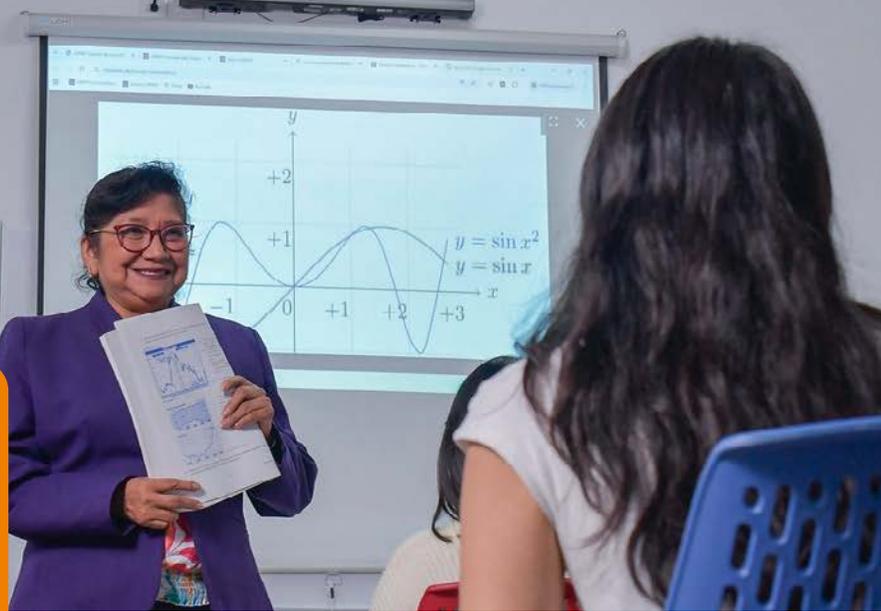
#### Professional Skills

- Implements a strategic plan that addresses leadership and management strategies in institutional processes from a person-centered perspective, in order to improve educational experiences and relationships among members of the school community.
- Develops human talent management projects aimed at the improvement and growth of both staff members and the educational institution.
- Transforms professional practice in educational management through a reflective approach to address the complexity of managing educational institutions.

#### Curriculum map and integrative educational trajectories

The curriculum map of the Master's program is organized into two core areas: the *Basic Professional Core* and the *Advanced Professional Core*. The curricular project has a total duration of 2 years and comprises 12 courses, structured into 4-month academic cycles of 14 weeks each.

As an integral part of the academic program, one UPAEP Identity elective course is included. Students may choose between *Transformative Leadership or Pedagogy of the Common Good*. The curriculum also comprises six professional-oriented courses. Additionally, two courses are designated as interdisciplinary electives, with priority given to courses from other Master's programs that contribute to the development of the graduate profile. The remaining three courses align with the research area and support completion of degree requirements.



## Master's Degree in Mathematics Education

Educate Master's graduates in Mathematics Education with an ethical and human perspective, capable of developing and implementing teaching, learning, and assessment processes in mathematics through reflection and transformation of their teaching practice, in order to positively impact students' learning of this discipline in diverse contexts.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251735

### Admission Profile

#### Knowledge

- Demonstrates knowledge of concepts in arithmetic, algebra, geometry, and data handling.
- Recognizes the need to professionalize their educational practice.
- Identifies educational purposes, curriculum content, and the didactic approach of mathematics at the educational level at which they teach.

#### Skills

- Uses information, communication, knowledge, and digital learning technologies for educational purposes.
- Communicates ideas effectively, both orally and in writing.
- Works collaboratively in educational and social environments.
- Demonstrates self-directed learning skills.

#### Attitudes

- Assumes the teaching profession as a personal and professional vocation.
- Values education as a means to address current social needs.
- Values ethical and civil engagement in educational contexts.

### Professional Skills

- Implements teaching, learning, and assessment strategies in mathematics to strengthen students' critical and creative thinking.
- Designs and implements classroom interventions that promote complex thinking and foster meaningful mathematical learning.
- Transforms teaching, learning, and assessment processes in their professional practice by applying strategies that respond to the educational needs of the discipline.

### Curriculum map and integrative educational trajectories

The master's degree curriculum is organized into two core areas: a **Basic Professional Core** and an **Advanced Professional Core**. The curriculum spans two years and consists of 12 courses, structured in four-month cycles of 14 weeks each.

As an integral part of academic education, the program includes one curricular course, Pedagogy of the Common Good, six professional-focused courses, and two interdisciplinary elective courses. Priority is given to electives offered by other master's programs that contribute to the development of the graduate profile. The remaining three courses correspond to the research area and are designed to ensure students complete their degree requirements.



## Master's Degree in Mathematics Education

Educate Master's graduates in Mathematics Education with an ethical and human perspective, capable of developing and implementing teaching, learning, and assessment processes in mathematics through reflection and transformation of their teaching practice, in order to positively impact students' learning of this discipline in diverse contexts.

Modality: Online

Campus: Puebla | RVOE Code: 20251735

### Admission Profile

#### Knowledge

- Demonstrates knowledge of concepts in arithmetic, algebra, geometry, and data handling.
- Recognizes the need to professionalize their educational practice.
- Identifies educational purposes, curriculum content, and the didactic approach of mathematics at the educational level at which they teach.

#### Skills

- Uses information, communication, knowledge, and digital learning technologies for educational purposes.
- Communicates ideas effectively, both orally and in writing.
- Works collaboratively in educational and social environments.
- Demonstrates self-directed learning skills.

#### Attitudes

- Assumes the teaching profession as a personal and professional vocation.
- Values education as a means to address current social needs.
- Values ethical and civil engagement in educational contexts.

#### Professional Skills

- Implements teaching, learning, and assessment strategies in mathematics to strengthen students' critical and creative thinking.
- Designs and implements classroom interventions that promote complex thinking and foster meaningful mathematical learning.
- Transforms teaching, learning, and assessment processes in their professional practice by applying strategies that respond to the educational needs of the discipline.

#### Curriculum map and integrative educational trajectories

The master's degree curriculum is organized into two core areas: a **Basic Professional Core** and an **Advanced Professional Core**. The curriculum spans two years and consists of 12 courses, structured in four-month cycles of 14 weeks each.

As an integral part of the academic education, the program includes one curricular course entitled *Pedagogy of the Common Good*, six courses with a professional focus, and two interdisciplinary elective courses. Priority is given to electives offered by other master's programs that contribute to the development of the graduate profile. The remaining three courses correspond to the research area and are designed to ensure students complete their degree requirements.



## Master's Degree in Pastoral Innovation

Educate Master's graduates in Pastoral Innovation who design innovative pastoral projects by integrating dialogue, collaboration, and intercultural and interreligious participation into the theological-pastoral approach, in order to promote integral human development and the common good within their learning communities and pastoral service contexts.

- Shows interest in life, faith, and civil engagement.
- Displays an inclination toward leadership and a service-oriented mission.
- Values religious experience.
- Demonstrates cognitive and emotional sensitivity to others' needs.

### Professional Skills

- Plans pastoral processes of discernment and personal and community accompaniment based on well-founded methodologies.
- Intervenes in diverse learning and pastoral service communities to guide processes of Christian life formation.
- Promotes a pastoral approach centered on encounter, synodality, and the common good, fostering a responsible lived experience of the Church's mission.

### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two core cores: a **Basic Professional Core** and an **Advanced Professional Core**. The curricular program lasts 2 years and comprises 12 courses, organized into 4-month academic cycles of 14 weeks each.

As an integral part of the academic education, the curriculum includes one required course, Transformative Leadership; nine courses with a professional orientation; and two remaining courses in the research area, designed to ensure students' completion of degree requirements.

Modality: Online

Campus: Puebla | RVOE Code: 20241835

### Admission Profile

#### Knowledge

- Recognizes the basic elements of biblical and ecclesial language.
- Distinguishes emerging cultural and religious elements.
- Identifies theoretical concepts related to pastoral topics.
- Recognizes the dignity of the human person and the religious dimension of human life.
- Analyzes current issues related to pastoral activities within their communities.

#### Skills

- Engages critically with the diversity of religious symbols and beliefs.
- Demonstrates basic proficiency in the use of technological tools.
- Shows the ability to analyze and synthesize information.
- Demonstrates basic research and innovation skills.

#### Attitudes

- Demonstrates a strong spirit of service.
- Shows responsibility and commitment to their learning process.



## Master's Degree in Pedagogy

Educate graduates of the Master's Degree in Pedagogy with an ethical and human vision, grounded in philosophical, anthropological, and pedagogical foundations, who are capable of designing and developing integral educational proposals through reflection on their teaching practice and the appreciation of the stakeholders involved in the educational process, with the aim of transforming their professional practice and addressing the needs of their social and educational context.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20251728

### Admission Profile

#### Knowledge

- Recognizes the phases of the educational process, from design to evaluation.
- Distinguishes the need to professionalize their educational practice.
- Identifies issues related to the educational field.

#### Skills

- Uses oral and written language effectively.
- Applies teaching, learning, and assessment strategies.
- Establishes interpersonal relationships and engages in collaborative work.
- Manages their learning process through digital tools.

#### Attitudes

- Demonstrates commitment to the integral development of the human being.
- Shows interest in current educational and social needs.
- Possesses a strong spirit of service to society.
- Values discipline in academic and professional activities.

### Professional Skills

- Proposes improvements in teaching, learning, and assessment processes based on pedagogical, philosophical, and anthropological foundations, considering diverse educational contexts from an integral perspective.
- Applies strategies within educational processes to enhance learning experiences and strengthen relationships among members of the educational community.
- Transforms teaching practice through strategic approaches that respond to the educational needs of the surrounding context.

### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two core cores: a **Basic Professional Core** and an **Advanced Professional Core**. The curricular program lasts 2 years and comprises 12 courses, organized into 4-month academic cycles of 14 weeks each.

As an integral part of the academic education, the curriculum includes one core course titled *Pedagogy of the Common Good*; three courses within the basic professional core; two elective lines consisting of three courses each, from which students choose one line between *Teaching and Educational Inclusion*; two interdisciplinary elective courses, with priority given to offerings from other master's programs that contribute to the development of the graduate profile; and the remaining three courses correspond to the research area, which support and ensure the student's degree completion.



## Master's Degree in Pedagogy

Educate graduates of the Master's Degree in Pedagogy with an ethical and human vision, grounded in philosophical, anthropological, and pedagogical foundations, who are capable of designing and developing integral educational proposals through reflection on their teaching practice and the appreciation of the stakeholders involved in the educational process, with the aim of transforming their professional practice and addressing the needs of their social and educational context.

Modality: Online

Campus: Puebla | RVOE Code: 20251728

### Admission Profile

#### Knowledge

- Recognizes the phases of the educational process, from design to evaluation.
- Distinguishes the need to professionalize their educational practice.
- Identifies issues related to the educational field.

#### Skills

- Uses oral and written language effectively.
- Applies teaching, learning, and assessment strategies.
- Establishes interpersonal relationships and engages in collaborative work.
- Manages their learning process through digital tools.

#### Attitudes

- Demonstrates commitment to the integral development of the human being.
- Shows interest in current educational and social needs.
- Possesses a strong spirit of service to society.
- Values discipline in academic and professional activities.

#### Professional Skills

- Proposes improvements in teaching, learning, and assessment processes based on pedagogical, philosophical, and anthropological foundations, considering diverse educational contexts from an integral perspective.
- Applies strategies within educational processes to enhance learning experiences and strengthen relationships among members of the educational community.
- Transforms teaching practice through strategic approaches that respond to the educational needs of the surrounding context.

#### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two core cores: a Basic Professional Core and an Advanced Professional Core. The curricular program lasts 2 years and comprises 12 courses, organized into 4-month academic cycles of 14 weeks each.

As an integral part of the academic education, the curriculum includes one core course titled *Pedagogy of the Common Good*; three courses within the basic professional core; two elective lines consisting of three courses each, from which students choose one line between *Teaching and Educational Inclusion*; two interdisciplinary elective courses, with priority given to offerings from other master's programs that contribute to the development of the graduate profile; and the remaining three courses correspond to the research area, which support and ensure the student's degree completion.



## Master's Degree in Political Science and Public Management

Educate Master's graduates in Political Science and Public Management with an ethical and human vision, capable of analyzing political phenomena and identifying the scope of politics in its real and integrative expression, as well as the relationships and interrelationships among political phenomena across different areas of study. Graduates will strategically analyze the social, cultural, and political environments of institutions, and evaluate their behavior, to design political strategies and mechanisms that enable them to manage local, regional, national, and international political projects.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20193781

### Admission Profile

#### Knowledge

- Identifies basic concepts of Political Science.
- Distinguishes fundamental elements of economics.
- Analyzes information related to political and electoral phenomena.
- Recognizes mathematical methods of analysis.
- Critically, creatively, and reflectively analyzes political reality.

#### Skills and Abilities

- Demonstrates intermediate proficiency in the English language.
- Writes scientific texts and outreach articles.
- Applies self-directed learning techniques.
- Uses basic concepts of Political Science effectively.

#### Values and Attitudes

- Shows willingness to engage in collaborative work.
- Values the importance of ethical and human foundations in decision-making.
- Is aware of the importance of solving political problems.

- Acts responsibly within the sociopolitical environment.

#### Professional Skills

- Applies methodologies from Political Science and/or Political Management to develop public policies that positively impact the living conditions of the most disadvantaged sectors of society.
- Communicates ideas and criteria related to political leadership to foster reflection and collaborative work, analyzing sociopolitical reality from the perspectives of Political Science, Public Management, or International Politics.
- Proposes viable solutions with social relevance to public problems affecting society.
- Manages local, regional, national, and international political projects through research-based practices and ethical principles with social relevance.

#### Curriculum map

The master's curriculum consists of 12 courses and is organized into academic **cores** that represent the progressive development of coursework throughout the program. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education in alignment with the UPAEP graduate profile. It includes one curricular line: *Leadership*.

**Professional Core:** Comprises courses specific to the discipline, providing students with solid disciplinary education. It includes two curricular lines: *Political Theory and International Politics*.

**Elective Core:** Allows students to choose between two curricular lines: *Political Science or Government and Public Management*.



## Master's Degree in Tax Law

Educate graduates of the Master's Degree in Tax Law who, with an ethical and human vision, apply national and international regulations related to the ordinary revenues of Public Administration through their interpretation, explanation, and procedural implementation, with the purpose of advising and defending public and private interests in tax and tax-penalty matters.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20220709

### Admission Profile

#### Knowledge

- Explains general concepts of Law and/or Accounting.
- Identifies the constitutional and legislative foundations of Tax Law.
- Describes the fundamental elements of Tax Law.
- Analyzes diverse legal and administrative documents, interpreting their content.

#### Skills

- Applies, in a general manner, legal rules related to tax and administrative law.
- Uses the basic content of legal regulations in the resolution of tax disputes.
- Provides legal advice regarding general tax conflicts with a coherent legal basis.

#### Attitudes

- Promotes the common good as the ultimate objective of legal, administrative, or accounting practice.
- Acts in accordance with the values of justice, dignity, and solidarity in professional life.

#### Professional Skills

- Prepares legal documents related to the defense of tax and tax-penalty interests through the analysis of

applicable national and international regulations.

- Structures procedures for the defense of tax interests in accordance with national and international legal frameworks.
- Defends the positions of individuals, society, and/or the State in matters related to the ordinary revenues of Public Administration, in an ethical and humanistic manner.

### Curriculum map

The master's curriculum consists of 14 courses and is organized into academic **cores** that represent the progressive development of coursework throughout the program. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education in alignment with the UPAEP graduate profile. It includes one curricular line: *Human Development*.

**Basic Professional Core:** Concentrates on foundational courses of the curriculum, selected for their multidisciplinary approach. It includes one curricular line: *Legal Culture*.

**Professional Core:** Comprises discipline-specific courses that provide students with specialized education. It includes four curricular lines: *Tax Theory, Legal Tax Application, International Legal Obligations, and Professional Topics*.

**Capstone Core:** Aims to develop skills required for the final stage of the program and degree completion. It includes one curricular line: *Practical Work/Thesis*.



## Master's Degree in Work and Organizational Psychology

Educate graduates of the Master's Degree in Work and Organizational Psychology with a transcendent personalist vision, capable of carrying out management and change processes in individuals, teams, and organizations through diagnosis, intervention-action, and research, in order to contribute to the promotion of well-being and the prevention of psychosocial risk factors that respond to the demands of psychological health in the workplace.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251741

### Admission Profile

#### Knowledge

- Explains basic concepts of organizational psychology.
- Identifies statistical and research processes.
- Describes facts and situations through clear written and verbal communication.
- Recognizes current workplace situations that are significant for study.

#### Skills

- Applies observation and analysis processes.
- Demonstrates sound judgment, reasoning, and logical and systemic thinking.
- Demonstrates basic scientific writing skills.
- Uses computer software and digital tools.
- Works with discipline, responsibility, and flexibility in interdisciplinary teams.
- Uses the English language for communication.

#### Attitudes

- Shows interest in sharing knowledge through teaching.
- Acts respectfully and assertively.
- Demonstrates discipline and adaptability to change.
- Values healthy coexistence.
- Appreciates and promotes the pursuit of the common good.

#### Professional Skills

- Promotes psychological health in the workplace at both individual and collective levels, using an ethical approach to prevent psychosocial risk factors.
- Conducts research in Talent Management and Development, as well as Organizational Culture and Well-Being, to generate knowledge and practical applications.
- Intervenes in transformation and change processes focused on being, well-being, and doing, fostering the development of healthy organizations.

#### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two academic cores: a Basic Professional Core and an Advanced Professional Core. The program lasts 2 years and comprises 12 courses, organized into 4-month academic cycles of 14 weeks each.

As an integral part of the academic education, the curriculum includes one UPAEP Identity course, *Bioethics*, and three courses with a basic professional focus. The professional education component includes two elective lines, each consisting of three courses, which may be taken within the program or from other master's programs; among the elective options, *Seminars on Innovation, Updating, and Integration* are included. Additionally, two courses are designated as interdisciplinary electives, with priority given to courses from other master's programs that contribute to the development of the graduate profile. The remaining three courses correspond to the research area and support the student's degree completion.



## Master's Degree in Work and Organizational Psychology

Educate graduates of the Master's Degree in Work and Organizational Psychology with a transcendent personalist vision, capable of carrying out management and change processes in individuals, teams, and organizations through diagnosis, intervention-action, and research, in order to contribute to the promotion of well-being and the prevention of psychosocial risk factors that respond to the demands of psychological health in the workplace.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251741

### Admission Profile

#### Knowledge

- Explains basic concepts of organizational psychology.
- Identifies statistical and research processes.
- Describes facts and situations through clear written and verbal communication.
- Recognizes current workplace situations that are significant for study.

#### Skills

- Applies observation and analysis processes.
- Demonstrates sound judgment, reasoning, and logical and systemic thinking.
- Demonstrates basic scientific writing skills.
- Uses computer software and digital tools.
- Works with discipline, responsibility, and flexibility in interdisciplinary teams.
- Uses the English language for communication.

#### Attitudes

- Shows interest in sharing knowledge through teaching.
- Acts respectfully and assertively.
- Demonstrates discipline and adaptability to change.
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- Appreciates and promotes the pursuit of the common good.

#### Professional Skills

- Promotes psychological health in the workplace at both individual and collective levels, using an ethical approach to prevent psychosocial risk factors.
- Conducts research in Talent Management and Development, as well as Organizational Culture and Well-Being, to generate knowledge and practical applications.
- Intervenes in transformation and change processes focused on being, well-being, and doing, fostering the development of healthy organizations.

#### Curriculum map and integrative educational trajectories

The master's curriculum is organized into two academic cores: a Basic Professional Core and an Advanced Professional Core. The program lasts 2 years and comprises 12 courses, organized into 4-month academic cycles of 14 weeks each.

As an integral part of the academic education, the curriculum includes one UPAEP Identity course, *Bioethics*, and three courses with a basic professional focus. The professional education component includes two elective lines, each consisting of three courses, which may be taken within the program or from other master's programs; among the elective options, *Seminars on Innovation, Updating, and Integration* are included. Additionally, two courses are designated as interdisciplinary electives, with priority given to courses from other master's programs that contribute to the development of the graduate profile. The remaining three courses correspond to the research area and support the student's degree completion.



## Master's Degree in Work and Organizational Psychology

Educate Master's graduates in Organizational and Work Psychology with an ethical and human orientation, capable of preventing and providing solutions to organizational challenges and labor and human development processes through the application of measurement instruments, diagnosis, intervention-action, and the transformation of people management, teams, and organizational culture. Graduates will be competitive as organizational consultants and human talent managers, enabling them to impact the relevant social conditions of their context positively.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20221172

### Admission Profile

#### Knowledge

- Examines possibilities for human development in the workplace.
- Recognizes the contributions of psychology to organizations.

#### Skills

- Builds social and interpersonal relationships while considering contextual factors.
- Demonstrates collaborative and interdisciplinary work within their professional field.
- Uses basic computer software and digital tools.

#### Attitudes

- Values the importance of the human being within organizations.
- Shows interest in providing service to the community.
- Is aware of the impact of human behavior within the workplace.

#### Professional Skills

- Develops strategic psychological intervention approaches for organizational change.
- Optimizes human development and management processes to create quality-of-life environments.
- Manages organizational projects that integrate human talent development and contribute to the construction of the common good.
- Promotes the development of a healthy and ethical organizational culture to transform both the workplace and the surrounding community.

#### Curriculum map and integrative educational trajectories

The master's curriculum consists of 15 courses and is organized into academic **cores** that represent the progressive development of coursework throughout the program. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education aligned with the UPAEP graduate profile. It includes one curricular line: *Human Development*.

**Basic Professional Core:** Concentrates on foundational courses selected for their multidisciplinary approach. It includes one curricular line: *Foundations of Organizational Psychology*.

**Professional Core:** Comprises discipline-specific courses that provide specialized education. It includes two curricular lines: *Organizational Psychology and Talent Management and Development*.

**Capstone Core:** Focuses on the development of skills required for the final stage of the program and degree completion. It includes one curricular line: *Research*.



## Doctorate Degree in Education

Educate Doctors of Education with solid theoretical and methodological foundations for the reflection, interpretation, and understanding of the complex educational reality through critical thinking and rigorous, systematic, and well-founded analysis, from a scientific and human perspective. The program aims to generate and connect original and innovative educational knowledge in dynamic, multidisciplinary, international, and collaborative environments.

Modality: Grounded

Campus: Puebla

RVOE Code: SE-SES/21/114/01/2846/2023/SIE

### Admission Profile

- English Proficiency: Minimum score of 450 on the TOEFL.

### Knowledge

- Identifies the foundations of education.
- Recognizes education as an object of knowledge.

### Skills and Abilities

- Communicates effectively.
- Uses information search tools and databases.
- Observes and analyzes educational reality.
- Self-regulates their learning and education process.
- Comprehends texts in the English language.

### Attitudes and Values

- Demonstrates intellectual curiosity.
- Shows interest in knowledge generation.
- Displays willingness to engage in collaborative work.
- Demonstrates intellectual readiness for analysis and reflection.
- Shows openness to diverse ways of thinking.
- Demonstrates educational and civil engagement.
- Respects the human person and universal values.

### Professional Skills

- Designs relevant educational research projects with solid epistemological and methodological foundations in the areas of ethics and values, educational policy and management, and training processes and educational practices.
- Conducts rigorous, systematic, and innovative research grounded in theoretical and methodological frameworks to propose alternatives to educational challenges within their chosen line of research.
- Generates original educational knowledge that contributes to the exchange and dissemination of research results within the scientific community at the local, regional, national, and international levels.

### Curriculum map

The master's curriculum consists of 22 courses and is organized into academic **cores** that represent the progressive development of coursework throughout the curricular program. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education in accordance with the UPAEP graduate profile. It includes one curricular line: *Leadership*.

**Professional Core:** Comprises discipline-specific courses that provide students with a solid academic education. It includes one curricular line: *Fundamentals of Education*.

**Elective Core:** Provides students with the opportunity to choose among three curricular lines: *Ethics and Values in Education, Training Processes and Educational Practices, and Educational Policy and Management*. Additionally, students may select one course from the Methodological Resources for Research line, depending on whether their research approach is quantitative or qualitative.

**Capstone Core:** Focuses on the development of skills required for the final stage of the program and degree completion. It comprises two curricular lines: *Thesis and Research*.



## Doctorate Degree in Legal Sciences, Politics and Government

Educate Doctors in Legal and Governmental Sciences capable of conducting high-level legal and political research with an ethical and human approach, as well as a local, national, and international perspective, incorporating a transversal vision in areas such as information technology, economics, and philosophy. Grounded in the heuristics of legal and governmental sciences, graduates will be able to develop strategies that address the needs of the public, private, and social sectors.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220707

### Admission Profile

#### Knowledge

- Explains general concepts of Legal and Political Sciences.
- Describes the instruments, characteristics, and structure of Public Administration and Government at the municipal, local, and federal levels.
- Identifies the legal foundations of governmental structures.

#### Skills

- Formulates practical solutions to problems related to legal disciplines.
- Uses a second language at a technical–legal level, identifying terminology related to politics, public administration, and government.
- Works effectively in teams.
- Produces basic research related to Public Administration, Law, and/or Political Science.
- Operates professionally using political and/or legal terminology.
- Applies general information technology tools, as well as those specific to Public Administration and/or Law.

#### Attitudes

- Promotes the common good as the ultimate objective of legal or political professional practice.
- Acts in accordance with ethical values in professional life.

#### Professional Skills

- Produces academic research documents with high scientific standards in legal and political content.
- Develops governmental regulatory proposals for application in addressing needs related to contextual social and institutional challenges.
- Evaluates governmental decisions—both administrative and regulatory—under rigorous scientific–legal, and scientific–political perspectives.

#### Curriculum map and integrative educational trajectories

The doctoral curriculum consists of 19 courses and is organized into academic **cores** that represent the progressive development of coursework throughout the program. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core:** Emphasizes student education aligned with the UPAEP graduate profile. It includes one curricular line: *Human Development*.

**Professional Core:** Comprises discipline-specific courses that provide solid academic and research training. It includes one curricular line: *Social Sciences*.

**Elective Core:** Allows students to choose between two curricular lines: *Political Science and Government or Legal Sciences*.

**Capstone Core:** Focuses on the development of skills required for the final stage of the program and degree completion. It includes two curricular lines: *Seminars and Thesis*.



## Doctorate Degree in Legal Sciences, Politics and Government

Educate Doctors in Legal and Governmental Sciences capable of conducting high-level legal and political research with an ethical and human approach, as well as a local, national, and international perspective, incorporating a transversal vision in areas such as information technology, economics, and philosophy. Grounded in the heuristics of legal and governmental sciences, graduates will be able to develop strategies that address the needs of the public, private, and social sectors.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241815

### Admission Profile

#### Knowledge

- Explains general concepts of Legal and Political Sciences.
- Describes the instruments, characteristics, and structure of Public Administration and Government at the municipal, local, and federal levels.
- Identifies the legal foundations of governmental structures.

#### Skills and Abilities

- Formulates practical solutions to problems related to legal disciplines.
- Uses a second language at a technical-legal level, identifying terminology related to politics, public administration, and government.
- Works effectively in teams.
- Produces basic research related to Public Administration, Law, and/or Political Science.
- Operates professionally using political and/or legal terminology.
- Applies general information technology tools, as well as those specific to Public Administration and/or Law.

#### Attitudes and Values

- Promotes the common good as the ultimate objective of legal or political professional practice.
- Acts in accordance with ethical values in professional life.

#### Professional Skills

- Prepares academic research documents with high scientific standards in legal and political content.
- Develops regulatory or governmental proposals for application in diverse contexts.
- Explains governmental decisions—both administrative and regulatory—based on rigorous scientific-legal, and scientific-political foundations.

#### Curriculum map and integrative educational trajectories

The research doctoral curriculum is organized into two academic cores: Basic Professional Core and an Advanced Professional Core. The curricular program has a total duration of four years and consists of 19 courses, structured in four-month academic cycles of fourteen weeks.

As an integral part of the academic education, the curriculum includes one UPAEP Identity course, which is a human education elective. The available options are *Transformative Leadership or Ethics and Social Doctrine*. The program also includes three mandatory professional-focused courses. The academic body establishes two elective research lines, each consisting of three courses, which may be taken within the same program or from other doctoral programs. The remaining 12 courses correspond to the research curriculum and are designed to support the student's research development and degree completion.



## Doctorate Degree in Social Philosophy

Educate socially responsible Doctors of Social Philosophy with a strong human orientation, capable of analyzing social reality from a metaphysics of the person, through reasoned dialogue with other fields of knowledge, in order to generate new currents of thought that are socially relevant and oriented toward the common good.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20251726

### Admission Profile

#### Knowledge

- Recognizes the main approaches and issues of social philosophy.
- Interprets relevant philosophical terminology.
- Analyzes the principal milestones in the cultural development of humanity.
- Identifies relevant bibliography in the thematic area related to their research focus.

#### Skills and Abilities

- Applies documentary research methods to prepare academic research texts.
- Uses sound and well-founded arguments in different types of discourse.
- Evaluates issues suitable for philosophical reflection.
- Provides creative and forward-looking responses to the various challenges of their social and cultural context.

#### Attitudes

- Is sensitive to the social, cultural, and scientific context in which they operate.
- Demonstrates openness to constructive dialogue and self-criticism.
- Shows interest in research and in all stages of the

research process.

- Assumes responsibility for their academic commitments.

#### Professional Skills

- Produces scholarly outputs in accordance with a rigorous philosophical methodology.
- Organizes complex philosophical knowledge coherently to generate currents of thought that contribute to the common good.
- Constructs integral, coherent, and theoretical explanations to address anthropological, ethical, metaphysical, and epistemological problems within social philosophy.

#### Curriculum map and integrative educational trajectories

The curriculum map of the research doctorate is organized into two cores: basic professional core and an advanced professional core. The curricular project has a total duration of four years and comprises 19 courses, structured in four-month academic cycles of fourteen weeks each.

The program includes four professionally oriented mandatory courses. Additionally, the academic body establishes two elective research lines, each consisting of three courses, which may belong to the same program or to other doctoral programs. The remaining twelve courses correspond to research-oriented curricular components.



## Doctorate Degree in Social Philosophy

Educate socially responsible Doctors of Social Philosophy with a strong human orientation, capable of analyzing social reality from a metaphysics of the person, through reasoned dialogue with other fields of knowledge, in order to generate new currents of thought that are socially relevant and oriented toward the common good.

Modality: Online  
Campus: Puebla | RVOE Code: 20251726

### Admission Profile

#### Knowledge

- Recognizes the main approaches and issues of social philosophy.
- Interprets relevant philosophical terminology.
- Analyzes the principal milestones in the cultural development of humanity.
- Identifies relevant bibliography in the thematic area related to their research focus.

#### Skills and Abilities

- Applies documentary research methods to prepare academic research texts.
- Uses sound and well-founded arguments in different types of discourse.
- Evaluates issues suitable for philosophical reflection.
- Provides creative and forward-looking responses to the various challenges of their social and cultural context.

#### Attitudes

- Is sensitive to the social, cultural, and scientific context in which they operate.
- Demonstrates openness to constructive dialogue and self-criticism.
- Shows interest in research and in all stages of the

research process.

- Assumes responsibility for their academic commitments.

#### Professional Skills

- Produces scholarly outputs in accordance with a rigorous philosophical methodology.
- Organizes complex philosophical knowledge coherently to generate currents of thought that contribute to the common good.
- Constructs integral, coherent, and theoretical explanations to address anthropological, ethical, metaphysical, and epistemological problems within social philosophy.

#### Curriculum map and integrative educational trajectories

The curriculum map of the research doctorate is organized into two cores: basic professional core and an advanced professional core. The curricular project has a total duration of four years and comprises 19 courses, structured in four-month academic cycles of fourteen weeks each.

The program includes four professionally oriented mandatory courses. Additionally, the academic body establishes two elective research lines, each consisting of three courses, which may belong to the same program or to other doctoral programs. The remaining twelve courses correspond to research-oriented curricular components.

# COLLEGE OF BUSINESS

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# EDUCATIONAL OFFERINGS

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- Bachelor's Degree in Accountancy and Senior Management
- Bachelor's Degree in Business Administration
- Bachelor's Degree in Business Administration Tehuacán
- Bachelor's Degree in Business Administration Online
- Bachelor's Degree in Business Intelligence
- Bachelor's Degree in Business Logistics
- Bachelor's Degree in Financial and Stock Market Management
- Bachelor's Degree in Gastronomy
- Bachelor's Degree in Hospitality and Tourism Management
- Bachelor's Degree in Hospitality Management Tehuacán
- Bachelor's Degree in International Trade and Logistics Online
- Bachelor's Degree in International Trade and Strategy
- Bachelor's Degree in Marketing
- Bachelor's Degree in Marketing Online
- Bachelor's Degree in Public Accounting Tehuacán
- Bachelor's Degree in Public Accounting Online
- Master's Degree in Administration
- Master's Degree in Administration and Strategic Management Online
- Master's Degree in Finance Tehuacán
- Master's Degree in Global Strategic Management
- Master's Degree in Global Strategic Management Online
- Master's Degree in Management and Finance
- Master's Degree in Management and Finance Online
- Master's Degree in Management and Marketing
- Master's Degree in Management and Marketing Online
- Master's Degree in Marketing and Digital Commercialization Online
- Master's Degree in Taxation Tehuacán
- Doctorate Degree in Management and Finance- Professional Doctorate
- Doctorate Degree in Management and Finance- Professional Doctorate Online
- Doctorate Degree in Management and Marketing- Professional Doctorate
- Doctorate Degree in Management and Marketing- Professional Doctorate Online
- Doctorate Degree in Organizational Management- Professional Doctorate
- Doctorate Degree in Organizational Management- Professional Doctorate Online



## Bachelor's Degree in Accountancy and Senior Management

Educate graduates in Accountancy and Senior Management with a human approach, guided by ethical and strategic thinking, who design information systems, generate and evaluate financial indicators, and promote corporate tax compliance through the application of current national and international accounting and tax regulations and procedures, as well as the interpretation of financial performance indicators, in order to foster the sustainable and efficient development of organizations.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252129

### Admission Profile

#### Knowledge

- Relates elements using logical-mathematical language.
- Identifies how organizations operate.
- Recognizes the impact of globalization on society.
- Analyzes quantitative and qualitative data.

#### Skills and/or Abilities

- Uses basic information technology systems.
- Carries out tasks and procedures in an orderly manner.
- Manages data and information at a basic level.
- Communicates effectively, both orally and in writing.

#### Attitudes

- Values collaborative work.
- Appreciates the dignity of the human person.
- Shows interest in basic economic topics.

#### Professional Skills

- Shows concern for the environment and for others.
- Demonstrates interest in entrepreneurship and creativity.
- Acts responsibly in academic and university activities.

### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes propaedeutic courses, including University Life Orientation and Immersion, four language courses that students take based on the results of their English placement exam, and a mathematics course, Foundations of Mathematics.

Regarding the curricular courses, the study plan is organized into two cores—the **Basic Professional Core** and the **Advanced Professional Core**—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, including courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement the education of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Business Administration

Educate graduates in Business Administration with ethical commitment, corporate social responsibility, and leadership oriented toward the common good, who manage organizational resources and lead people toward the effective achievement of objectives through the use of cutting-edge technology, decision-making based on innovative strategies, and the implementation of economic, social, and environmental transformation processes and procedures, aimed at generating returns on capital in the short, medium, and long term, contributing to the development of both the local and global economy.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252126

### Admission Profile

#### Knowledge

- Distinguishes basic mathematical elements.
- Identifies the fundamental elements of administration.
- Recognizes basic English language terms.

#### Skills

- Communicates effectively, both orally and in writing.
- Uses information, communication, knowledge, and digital learning technologies.
- Demonstrates interest in reading and reading comprehension.
- Carries out activities through teamwork.
- Possesses self-management skills.
- Demonstrates ease in interpersonal relationships.

#### Attitudes

- Is aware of the need for openness to change.
- Performs with a proactive attitude.
- Acts ethically.

#### Professional Skills

- Promotes strategies and projects to achieve organizational objectives that drive business transformation.
- Manages organizations by applying sustainability and innovation strategies that contribute to economic development.
- Makes decisions based on innovative strategies, supported by technological tools, to contribute to the growth, profitability, and sustainability of the company.
- Collaborates in teams, providing leadership, negotiation, and ethical judgment in the implementation of economic and social transformation processes and procedures.

#### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes propaedeutic courses, including University Life Guidance and Immersion, four language courses that students take based on the results of their English placement exam, and a mathematics course, Foundations of Mathematics.

Regarding the curricular courses, the study plan is organized into two cores—the Basic Professional Core and the Advanced Professional Core—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, including courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement the education of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Business Administration

Educate graduates in Business Administration who, with strategic vision, ethical principles, a human perspective, and commitment to society, are experts in promoting the achievement of organizational objectives through the management of basic administrative functions, the diagnosis of specific area-related problems, and the use of applied technologies for assertive decision-making within organizations, in order to develop new business models in an interdisciplinary manner and to strengthen new strategies that generate a practical and multi-skilled competitive differentiator.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20192923

### Admission Profile

#### Knowledge

- Recognizes basic English language terms.
- Distinguishes basic mathematical elements for administration.

#### Skills and/or Abilities

- Communicates effectively, both orally and in writing.
- Manages the fundamentals of information and communication technologies.
- Demonstrates reading and comprehension skills.
- Develops activities through teamwork.

#### Attitudes and/or Values

- Demonstrates openness to change.
- Shows ease in interpersonal relationships.
- Demonstrates willingness to work in interdisciplinary teams.
- Performs with a proactive attitude.
- Is aware of the importance of a service-oriented attitude.
- Promotes an honest attitude.

### Professional Skills

- Promotes strategies to achieve objectives through projects that generate business and global transformation.
- Applies management techniques related to human talent management, material resources administration, and procurement processes to achieve organizational objectives in both internal and external environments, fostering awareness and a sense of social responsibility and solidarity.
- Plans and leads the creation of companies and other types of organizations, promoting a service-oriented mindset and vocation.
- Applies the resources provided by new information and communication technologies to the development of projects and the achievement of organizational objectives.
- Leads family-owned businesses, whether small, medium-sized, or large, across diverse sectors.
- Develops and effectively applies intervention or consulting skills within organizations, acting ethically in professional practice.

### Curriculum map

The curriculum map for the bachelor's degree comprises 56 courses and is divided into cores that represent the progression of courses throughout the curricular line. These cores, in turn, are divided into curricular cores or areas of knowledge.

**Institutional Core.** Emphasizes student development aligned with the UPAEP profile. It includes two curricular areas: Human Education and English.

**Basic Professional Core.** Concentrates on foundational courses within the curricular project, selected for their multidisciplinary nature. It includes seven curricular lines: Administration, Mathematics, Accountancy and Finance, Economics, Law, Fundamentals of Research, and Marketing.

**Professional Core.** Comprises courses specific to the discipline that provide students with disciplinary education. It includes eight curricular lines: Applied Accounting, Strategy and Globalization, Human Capital, Operations, Business Intelligence, Applied Administration, Entrepreneurship, and Disciplinary Area.

**Capstone Core.** Its purpose is to develop skills that prepare students for the completion and degree-granting phase of the academic program. It consists of one curricular line: Research.



## Bachelor's Degree in Business Administration

Educate graduates in Business Administration with an ethical and human approach, who manage opportunities for the creation and development of businesses with strategic vision and leadership, complemented by technological tools, through the analysis of the socioeconomic environment and the anticipation of human potential, with the purpose of adding value and innovation to the organization and management of administrative processes for the benefit of society.

Modality: Online

Campus: Puebla | RVOE Code: 20241818

### Admission Profile

#### Knowledge

- Distinguishes basic business concepts.
- Identifies basic concepts in English.

#### Skills and/or Abilities

- Uses basic information technologies.
- Expresses ideas clearly in Spanish, both orally and in writing.
- Demonstrates ease in interpersonal relationships.

#### Aptitudes and/or Values

- Demonstrates commitment and leadership in decision-making.
- Is aware of the importance of working autonomously and as part of a team.
- Shows interest in entrepreneurship.

#### Professional Skills

- Implements ethics, social responsibility, and solidarity within the internal and external organizational environment.
- Executes systemic administrative processes and successful negotiations that contribute to the achievement of organizational objectives.

- Designs innovative entrepreneurial proposals with the potential to improve conditions in their environment.
- Develops strategic management proposals that help organizations become more competitive through the use of cutting-edge technologies.

### Curriculum map and integrative educational trajectories

The curriculum map of the bachelor's degree is divided into two cores—the **Basic Professional Core** and the **Advanced Professional Core**—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as humanistic education, languages, entrepreneurship, and academic writing.

**Basic Professional Core. Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of two elective courses taken from the fourteenth academic cycle onward, selected from a list of ten options, which complement the education of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Business Intelligence

Educate graduates in Business Intelligence with an ethical, human, and common-good-oriented approach, who develop descriptive, diagnostic, predictive, and prescriptive models through the use of technological tools and data analysis generated within organizations and their environment, in order to create sustainable competitive advantages, supported by analytical, strategic, and innovative thinking that enables informed decision-making at all organizational levels.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252137

### Admission Profile

#### Knowledge

- Recognizes basic mathematical concepts.
- Identifies various aspects of general culture.
- Distinguishes information from diverse sources.

#### Skills

- Uses English at a basic level.
- Utilizes information, communication, knowledge, and digital learning technologies.
- Collaborates effectively in work teams.
- Proposes different approaches to problem-solving.
- Communicates effectively, both orally and in writing.

#### Attitudes

- Acts with initiative and a willingness to learn.
- Shows interest in staying up to date with technological trends through self-directed learning.
- Conducts oneself with ethics and humanism.
- Is enthusiastic and committed.

#### Professional Skills

- Applies business intelligence and analytics technological tools on local and cloud-based platforms to create visualizations, interactive dashboards, and

descriptive, predictive, and prescriptive models that contribute to solving organizational problems.

- Proposes sustainable and innovative solutions based on the analysis of the internal and external environments of organizations, as well as their strategic, operational, and functional processes.
- Links data analysis to organizational objectives, strategies, operations, and performance indicators to support informed decision-making and risk and opportunity assessment.
- Communicates ideas and data analysis results orally and in writing with respect, clarity, leadership, and negotiation skills, in order to persuade stakeholders of the validity of proposed solutions.

### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes propaedeutic courses, including University Life Guidance and Immersion, four language courses that students take based on the results of their English placement exam, and a mathematics course, Foundations of Mathematics.

Regarding the curricular courses, the study plan is organized into two cores—the **Basic Professional Core** and the **Advanced Professional Core**—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, including courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement the education of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Business Logistics

Educate graduates in Business Logistics with an ethical and human vision, who plan, implement, and control logistics and supply chain operations in national and international organizations through an integral and sustainable approach, with the purpose of adding value and increasing competitiveness for the common good.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252131

### Admission Profile

#### Knowledge

- Recognizes Mexico's presence in the international context.
- Identifies Mexico's geographic position as a competitiveness factor.
- Recognizes basic mathematical operations.
- Distinguishes basic English language concepts.

#### Skills

- Develops basic arguments to defend or support points of view.
- Uses analytical skills for decision-making.
- Observes the global environment and its dynamics.
- Communicates effectively, both orally and in writing.

#### Attitudes

- Demonstrates leadership potential.
- Values the importance of creativity and entrepreneurship.
- Assumes an open attitude toward change.
- Acts ethically.
- Is aware of the importance of interdisciplinary teamwork.

#### Professional Skills

- Develops strategic and operational approaches for managing logistics networks through integral supply

chain analysis.

- Improves business processes through the use of technological tools to optimize logistics operations at both national and international levels.
- Proposes logistics projects in collaborative teams, considering sustainability criteria.
- Manages national and international transportation and traffic modalities according to cargo type, routes, and customer requirements.
- Leads logistics solutions that optimize national and international distribution networks under a value creation and competitiveness approach.

### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes propaedeutic courses, including University Life Guidance and Immersion, four language courses that students take based on the results of their English placement exam, and a mathematics course, Foundations of Mathematics. Regarding the curricular courses, the study plan is organized into two cores—the Basic Professional Core and the Advanced Professional Core—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, including courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement the education of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Financial and Stock Market Management

Educate graduates in Financial and Stock Market Management with a human vision, who ethically and strategically manage financial resources by analyzing, projecting, and evaluating profitability, risk, and financial sustainability of entities, in order to optimize decision-making in any business sector while performing as financial managers, advisors, and analysts, as well as stockbrokers.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20192915

### Admission Profile

#### Knowledge

- Recognizes the current environment of the business and finance world.
- Identifies basic knowledge of logical-mathematical language.
- Distinguishes the impact of globalization on the functioning of the economy.

#### Skills and/or Abilities

- Uses computer software packages, including spreadsheets, word processors, and presentation tools.
- Communicates effectively, both orally and in writing.
- Uses symbols and figures logically.
- Applies critical thinking to evaluate scenarios and support decision-making.
- Demonstrates basic proficiency in the English language.

#### Attitudes and/or Values

- Shows interest in participating in multidisciplinary teams.
- Possesses an entrepreneurial and creative spirit.
- Assumes responsibilities with commitment.
- Demonstrates interest in information research and evaluative judgment.

#### Professional Skills

- Applies quantitative methods to evaluate the financial performance and/or social relevance of companies and projects to support decision-making.
- Evaluates financial variables to select financial assets in national and international markets that support the development of sustainable investment strategies according to the investor's risk-return profile.
- Proposes investment and financing strategies that benefit organizations by promoting inclusion and the development of the common good.
- Applies Mexican banking and stock market regulations to establish an ethical and legal framework for financial operations conducted by organizations.

#### Curriculum map

The curriculum map for the bachelor's degree comprises 55 courses and is divided into cores that represent the progression of courses throughout the curricular pathway. These cores, in turn, are divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student development aligned with the UPAEP profile. It includes three curricular lines: Human Education, Entrepreneurship, and Languages.

#### Basic Professional Core.

Concentrates on foundational courses within the curricular project, selected for their multidisciplinary nature. It includes six curricular lines: Mathematics, Quantitative Methods, Financial Economic Analysis, Financial Information Analysis, Regulatory Framework, and Management.

**Professional Core.** Comprises discipline-specific courses that provide students with advanced professional education. It includes seven curricular lines: Corporate Finance, Advanced Quantitative Methods, Advanced Financial Information Analysis, Financial Risk Management, Social Finance, Strategic Management, and Financial Management.

**Elective Core.** Students may choose two lines from four options: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Its purpose is to develop skills that prepare students for the completion and degree-granting phase of the academic program. It consists of one curricular line: Research.



## Bachelor's Degree in Gastronomy

Educate graduates in Gastronomy with an ethical and human approach, who recognize cultural processes and manage operations in food and beverage service companies through the development and research of culinary processes, as well as the application of food transformation techniques, in order to create and innovate gastronomic products with a sustainable, global, and multidisciplinary awareness.

- Diagnoses the properties of foods to apply traditional and innovative processing methods and achieve culinary transformations.
- Applies quality standards and strategies in the food and beverage field.
- Uses gastronomic vocabulary in English and another foreign language to communicate within food and beverage companies.
- Promotes national and international gastronomic traditions and culture.

Modality: Grounded

Campus: Puebla | RVOE Code: 20192914

### Admission Profile

#### Knowledge

- Identifies basic mathematical and computational concepts.
- Recognizes basic concepts of grammar, writing, and spelling.
- Distinguishes the basic elements of a second language.

#### Skills

- Communicates effectively, both orally and in writing.
- Uses creativity and inventiveness to address the needs of their context.
- Works autonomously and collaboratively.

#### Attitudes and/or Values

- Respects diversity and multiculturalism.
- Shows a reflective, inquisitive, and eager attitude toward acquiring new knowledge.

#### Professional Skills

- Develops gastronomic products based on research.
- Manages the operational and administrative areas of food and beverage companies.
- Develops and supervises gastronomic production techniques and procedures.

### Curriculum map

The curriculum map for the bachelor's degree comprises 58 courses and is divided into cores that represent the progression of courses throughout the curricular pathway. These cores, in turn, are divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student development aligned with the UPAEP profile. It includes three curricular areas: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Concentrates on foundational courses within the curricular project, selected for their multidisciplinary nature. It includes five curricular lines: Science and Gastronomic History, Pastry, Culinary Science, Food and Drinks Service, and Basic Management.

**Professional Core.** Comprises discipline-specific courses that provide students with advanced professional education. It includes seven curricular lines: Specialized Gastronomy, Advanced Pastry, Food Technology, Service Operations, Advanced Management, Mathematics, and Languages.

**Elective Core.** Students may choose two lines from four options: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Its purpose is to develop skills that prepare students for the completion and degree-granting phase of the academic program. It consists of one curricular line: Research.



## Bachelor's Degree in Hospitality and Tourism Management

Educate graduates in Hospitality and Tourism Management with an ethical and human approach, who lead high-quality international services and experiences in cutting-edge tourism and hospitality destinations and organizations through a sustainable, inclusive, and accessible approach. Graduates analyze and manage services in the areas of lodging, food and beverage, travel organization, land, maritime, and air transportation, corporate and social events, meetings and convention tourism, theme and recreation parks, entertainment activities, hospital management, as well as the leadership of Non-Governmental Organizations and public agencies, with the purpose of fostering entrepreneurship, administration, and operations that contribute to communities and organizations by promoting well-being among individuals and society.

Modality: Grounded

Campus: Puebla | RVOE Code: 20250149

### Admission Profile

#### Knowledge

- Identifies basic mathematical elements in problem solving.
- Distinguishes aspects of general culture within the national context.
- Identifies basic geographic elements involved in the professional field.
- Recognizes the importance of caring for the natural and cultural environment.
- Describes service experiences within their context.
- Recognizes culture through the intangible expression of traditions.

#### Skills

- Communicates and reads texts in English at a basic level.

- Demonstrates organizational skills in assigned tasks.
- Communicates effectively, both orally and in writing.
- Demonstrates creative problem-solving abilities.
- Applies analysis and synthesis of information in assigned tasks.
- Uses electronic devices and spreadsheets.

#### Attitudes

- Demonstrates a service-oriented attitude by showing empathy toward others.
- Shows willingness to work in teams.
- Values responsibility and ethics in different areas of life.
- Demonstrates an entrepreneurial mindset.
- Engages in self-motivation and motivates others with whom they interact.

#### Professional Skills

- Manages administrative operations within the hospitality industry to operate tourism and service organizations efficiently.
- Collaboratively plans hospitality-related activities to generate personalized service experiences.
- Manages services across the hotel, restaurant, and event organization industries to promote goal achievement and business innovation.
- Develops proposals in the global environment aimed at continuous improvement in service organizations and companies, grounded in sustainability trends and the tourism code of ethics.

#### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes propaedeutic courses, including University Life Guidance and Immersion, four language courses based on students' English placement exam results, and a mathematics course, Foundations of Mathematics.

Regarding the curricular courses, the study plan is organized into two cores—the Basic Professional Core and the Advanced Professional Core—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, including courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement the education of future professionals and prioritize content from other academic programs.



# Bachelor's Degree in Hospitality Management

Educate graduates in Hospitality Management with an ethical and human approach, capable of designing, developing, and managing organizational operations and processes related to lodging, food services, entertainment, assistance, and service delivery. This is achieved through strategic administrative management and negotiation, considering the client and their context in relation to natural and cultural heritage and sustainability, to meet service demands and user expectations while promoting overall well-being.

Modality: Grounded  
Campus: Tehuacán | RVOE Code: 20192922

## Admission Profile

### Knowledge

- Possesses basic knowledge of mathematics.
- Possesses basic computer literacy.
- Distinguishes aspects of general culture within their environment.
- Identifies basic geographic elements.

### Skills

- Communicates in English at a basic level.
- Demonstrates organizational skills.
- Communicates effectively, both orally and in writing.
- Demonstrates analytical and synthesis skills.

### Attitudes and/or Values

- Demonstrates a service-oriented attitude.
- Shows willingness to work in teams.
- Demonstrates empathy toward others in professional practice.
- Respects others and the environment.

### Professional Skills

- Evaluates optimal service options in hospitality

administration and service delivery with a client-centered approach.

- Makes effective institutional decisions based on the analysis and processing of information.
- Plans administrative activities to achieve organizational tasks and objectives.
- Designs and manages recreation and entertainment programs aimed at social well-being.
- Develops and supervises gastronomic production techniques and procedures to establish quality standards and strategies.
- Builds integral commercial scenarios that enable organizations to model user purchasing experiences at points of sale, both offline and online.

## Curriculum map

The curriculum map for the bachelor's degree comprises 57 courses and is divided into cores that represent the progression of courses throughout the curricular pathway. These cores, in turn, are divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student development aligned with the UPAEP institutional profile. It includes three curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Concentrates on foundational courses within the curricular project, selected for their multidisciplinary nature. It includes six curricular lines: Mathematics, Marketing, Administrative/ Accounting, Food, Services, and Tourism, and Writing.

**Professional Core.** Comprises discipline-specific courses that provide students with disciplinary education. It includes six curricular lines: Tourism Management, Services, Business Administration, Disciplinary Area, Entrepreneurship, and Integration.

**Capstone Core.** Its purpose is to develop skills that prepare students for the completion and degree-granting phase of the academic program. It consists of one curricular line: Research.



## Bachelor's Degree in International Trade and Logistics

Educate professionals in International Trade and Logistics with an ethical and human approach, who manage public and private operations through the implementation of import, export, and logistics strategies, with the purpose of planning actions and projects that contribute to improving competitiveness both within and outside organizations.

Modality: Online  
Campus: Puebla | RVOE Code: 20241821

### Admission Profile

#### Knowledge

- Identifies basic concepts in mathematics and national and international geography.
- Recognizes basic English language concepts.
- Identifies basic concepts related to technological tools.

#### Skills

- Applies oral and written communication techniques.
- Uses basic Office software packages and internet navigation tools.
- Observes national and international contexts of commercial exchange.

#### Values

- Values the importance of self-directed learning.
- Shows interest in other countries' cultures.
- Is organized in activities and work.

#### Professional Skills

- Effectively manages legal, administrative, and commercial aspects that regulate International Trade and Logistics.
- Develops import, export, and logistics strategies for the search, evaluation, selection, and development of

international markets, demonstrating ethical conduct and social responsibility, and negotiating across cultures.

- Designs cutting-edge strategic and operational commercial and logistics projects, considering global market trends and opportunities, in order to propose practical solutions for International Trade and Logistics.
- Uses advanced technological platforms to develop strategic and operational approaches in the management, optimization, and resolution of processes in International Trade and Logistics.

### Curriculum map and integrative educational trajectories

The curriculum map of the bachelor's degree is divided into two cores—the Basic Professional Core and the Advanced Professional Core—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, entrepreneurship, and academic writing.

**Basic Professional. Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of two elective courses taken in the sixteenth and eighteenth academic cycles, selected from a list of ten options, which complement the education of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in International Trade and Strategy

Educate graduates in International Trade and Strategy with an ethical and human vision, who manage international trade strategies and operations under a sustainable approach through the analysis of information from the global environment, in order to identify and capitalize on business opportunities that strengthen national and international competitiveness.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252130

### Admission Profile

#### Knowledge

- Identifies basic elements of national and international geography.
- Distinguishes basic elements of mathematics, including arithmetic, algebra, and probability.
- Describes fundamental characteristics of the national and international environment, such as the political and economic situation of Mexico and the world's main economic regions.
- Distinguishes basic English language concepts.

#### Skills

- Presents multiple courses of action in response to given scenarios.
- Communicates effectively, both orally and in writing.
- Uses information obtained to solve problems.
- Manages basic computer tools and internet navigation.

#### Attitudes

- Acts with honesty.
- Demonstrates responsibility in assigned activities.
- Shows commitment to their environment.
- Demonstrates willingness to engage in interdisciplinary work.
- Shows respect for others.
- Is flexible, empathetic, and adaptable in interpersonal settings.

- Shows interest in cultural diversity.

#### Professional Skills

- Collaborates in international negotiations and commercial transactions to strategically identify and diversify Mexico's business opportunities worldwide.
- Makes decisions and designs strategies to increase business competitiveness through a sustainable approach, based on the analysis of information related to the international trade environment.
- Optimizes international distribution networks for goods by leading logistics and commercial strategies.
- Manages Mexico's foreign trade operations in compliance with international laws, treaties, and trade agreements.
- Develops international business plans and consulting processes to improve companies' international trade operations.

#### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes propaedeutic courses, including University Life Guidance and Immersion, four language courses students take based on the results of their English placement exam, and a mathematics course, Foundations of Mathematics.

Regarding the curricular courses, the study plan is organized into two cores—the Basic Professional Core and the Advanced Professional Core—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, including courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement the education of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Marketing

Educate graduates in Marketing with an ethical and human approach and a strategic vision that recognizes market needs and executes innovative decisions within the current business context, applying in-depth knowledge of consumers, as well as creative and analytical skills, in order to contribute to the challenges of a digital, global, and multicultural era.

Modality: Grounded

Campus: Puebla | RVOE Code: 20252135

### Admission Profile

#### Knowledge

- Recognizes basic standards for writing and information synthesis.
- States basic concepts of Administration, Psychology, and Social Sciences.
- Distinguishes basic notions of mathematics and statistics.

#### Skills

- Uses Office productivity tools.
- Demonstrates clarity in the oral and written expression of ideas.
- Incorporates basic planning elements into work.
- Selects appropriate information sources.
- Demonstrates analytical and synthesis skills.
- Demonstrates collaborative teamwork skills.

#### Attitudes

- Shows interest in cultural diversity.
- Demonstrates interest in teamwork.
- Assumes responsibility for self-directed learning.
- Maintains a creative attitude.

#### Professional Skills

- Integrates into multidisciplinary teams with a strategic

and business-oriented vision to solve problems and achieve organizational objectives.

- Conducts market research and presents information clearly and concisely to support decision-making and the design of marketing strategies.
- Identifies commercial and business opportunities across different contexts through problem-solving to promote organizational expansion.
- Develops marketing strategies and practices with an ethical, consumer- and customer-centered approach to address organizational and social challenges.
- Designs strategic marketing plans with a sustainable approach.

### Curriculum map and integrative educational trajectories

The curriculum map for the bachelor's degree includes propaedeutic courses, including University Life Guidance and Immersion, four language courses that students take based on the results of their English placement exam, and a mathematics course, Foundations of Mathematics.

Regarding the curricular courses, the study plan is organized into two cores—the Basic Professional Core and the Advanced Professional Core—and is structured into four educational cores:

**Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Core by Areas of Knowledge.** Defined by areas of affinity within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education, including courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and the corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, which complement the education of future professionals and prioritize content from other academic programs.



## Bachelor's Degree in Marketing

Educate graduates in Marketing with an ethical and human approach and a strong commitment to social responsibility, who apply diverse disciplines in the study of consumer behavior, qualitative and quantitative market research, digital marketing trends, and data science analysis. By developing creative marketing and commercial strategies grounded in collaborative work, graduates will optimize marketing decision-making within organizations.

Modality: Online

Campus: Puebla | RVOE Code: 20221180

### Admission Profile

#### Knowledge

- Recognizes basic concepts of Administration, Psychology, and Social Sciences.
- Identifies basic notions of mathematics and statistics.
- Identifies basic concepts related to planning and commercial aspects (products, consumers, institutions).

#### Skills

- Demonstrates skills in document synthesis and writing.
- Uses Office productivity software.
- Communicates effectively, both orally and in writing.
- Demonstrates basic use of web-based tools.

#### Attitudes

- Shows interest in cultural diversity and collaborative work.
- Values service to others.
- Demonstrates tolerance toward differing opinions.
- Acts responsibly in self-directed learning processes.
- Demonstrates ethical behavior in managing their digital footprint and in web navigation.

### Professional Skills

- Develops marketing strategies within multidisciplinary teams to address diverse commercial challenges.
- Designs integral commercial scenarios that enable organizations to optimize the user's purchasing experience at both offline and online points of sale.
- Manages digital platforms to implement marketing strategies that respond to commercial demands.
- Develops marketing projects with social relevance to promote leadership and decision-making in diverse contexts.
- Applies data science for statistical analysis to support business and marketing strategies.

### Curriculum map and

The curriculum map for the bachelor's degree comprises 52 courses and is organized into cores that represent the progression of courses throughout the curricular pathway. These cores are further divided into curricular lines or areas of knowledge.

**Institutional Core.** Emphasizes student development aligned with the UPAEP profile. It includes three curricular lines: Computing, Humanist Thinking and Education.

**Basic Professional Core.** Concentrates on foundational courses within the curricular project, selected for their multidisciplinary nature. It includes five curricular lines: Language and Culture, Marketing, Mathematics, Accountancy and Senior Management, and Administration and Economics.

**Professional Core.** Comprises discipline-specific courses that provide students with in-depth professional education. It includes nine curricular lines: Design, Market Research, Sales, Advanced Marketing, Business Intelligence, Advanced Computing, Banking and Finance, International Trade, and Entrepreneurship.

**Capstone Core.** Its purpose is to develop the skills required to prepare students for the completion and degree-granting phase of the academic program. It includes two curricular lines: Integration and Research.



## Bachelor's Degree in Public Accounting

Educate graduates in Accounting who, in an integral manner and with an ethical and human sense, design, analyze, and evaluate financial and non-financial information through the performance of functions and tasks in accounting, legal, administrative, budgetary, financial, tax, internal control, and auditing areas. They will be able to practice professionally under leadership in both public and private organizations, thereby strengthening decision-making across all business sectors.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20192921

### Admission Profile

#### Knowledge

- Identifies basic knowledge of accounting.
- Demonstrates elementary knowledge in the use of logical-mathematical language.
- Analyzes concepts related to Mexico's economic, technological, and social environments and the globalized world.

#### Skills and/or Abilities

- Demonstrates skills in analysis and synthesis.
- Manages software packages: spreadsheets, word processors, and presentations.
- Shows orientation toward creative, scientific, and reflective thinking.
- Make decisions and solves elementary problems.

#### Attitudes and/or Values

- Demonstrates respect, honesty, and integrity toward human dignity and the surrounding environment.
- Acts with ethical awareness.
- Shows willingness to face challenges.
- Inclines toward integration in multidisciplinary teams.
- Acts with an entrepreneurial and creative spirit.

### Professional Skills

- Prepares and interprets financial statements in accordance with national and international standards or other relevant frameworks.
- Builds reports that support management decision-making, focusing on planning and preparing budgets, cost management, quality control, and performance measurement.
- Presents the current and future financial situation of an organization.
- Applies compliance requirements in tax matters and information disclosure, as well as the laws and regulations governing different types of legal entities.
- Detects risks of errors in financial statements and considers their impact on audit strategy.
- Promotes transparency in information disclosure in line with good corporate governance practices.
- Evaluates the efficiency of controls used by entities based on information technologies.
- Assesses the environment in which the organization operates, considering economic, legal, political, social, technological, international, and cultural forces.
- Observes external and internal factors that may influence the functioning of the entity.

### Curriculum map

The Bachelor's Degree in Accounting curriculum consists of 52 courses, organized into core areas that reflect the progression of courses throughout the academic program. These are further divided into curricular lines or fields of knowledge:

**Institutional Core:** Emphasizes student development in line with UPAEP's profile. It includes 3 curricular lines: Computing, Human Education, and English.

**Basic Professional Core:** Concentrates on foundational courses of the academic program, selected for their multidisciplinary approach. It includes 6 curricular lines: Mathematics, Legal, Economics, Management, Accounting and Financial Information, and Accounting System.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 7 curricular lines: Managerial Accounting, Fiscal and Contributions, Finance, Audit and Risk Management, Specialized Accounting, Entrepreneurship, and Advanced Accounting Information Technology.

**Capstone Core:** Focuses on the development of skills for students in the final stage of the program and degree completion. It includes 2 curricular lines: Integration and Research.



## Bachelor's Degree in Public Accounting

Educate graduates in Public Accounting with an ethical and human sense, who analyze, interpret, and evaluate both financial and non-financial information through the performance of functions in the areas of accounting, taxation, finance, administration, and auditing, using information technology. They will be able to practice professionally with high social relevance in both public and private organizations, strengthening management, control, and decision-making competitively and sustainably.

Modality: Online

Campus: Puebla | RVOE Code: 20241823

### Admission Profile

#### Knowledge

- Identifies mathematical and statistical concepts.
- Recognizes basic concepts of the English language.
- Identifies concepts related to the country's economic and financial environment.

#### Skills

- Manages information and communication technologies (ICT).
- Demonstrates oral and written communication skills.
- Shows a preference for financial and economic topics.
- Demonstrates skills in analysis, synthesis, and research of financial information.
- Develops self-learning and self-management abilities.

#### Values

- Shows a team-oriented attitude.
- Values the importance of maintaining a proactive and innovative service attitude.
- Acts ethically in diverse situations.

#### Professional Skills

- Prepares Financial Statements in accordance with National and International Financial Reporting Standards, providing information to different users

and stakeholders for decision-making.

- Implements a cost and administrative control system for planning, ensuring control, decision-making, resource optimization, and value creation in any economic entity.
- Strategically applies tax, commercial, and labor laws in fulfilling fiscal obligations, performing contribution calculations, analyzing taxpayers' rights and obligations, and understanding the authority's powers.
- Employs International Auditing Standards and other Codes of Business Ethics for risk prevention, institutionalization, and sustainability of the economic entity.

### Curriculum map and integrative educational trajectories

The curriculum of the Bachelor's Degree is divided into two cores—basic professional and advanced professional—and is structured into four educational cores:

**Institutional Core. UPAEP University Education:** Includes courses aligned with the institutional profile, such as human education, languages, entrepreneurship, and academic writing.

**Basic Professional Core. Common by Areas of Knowledge:** Defined by affinity areas within the college or by the combination of several colleges. It groups content that, by its nature, constitutes the foundation of professional education.

**Professional Core. Disciplinary Education:** Composed of essential courses to develop the graduate profile and corresponding professional skills.

**Elective Core. Transdisciplinary Education:** Consists of two elective courses in the seventeenth and eighteenth cycles, selected from a list of 10 options, which complement the education of future professionals and prioritize content from other academic programs.



## Master's Degree in Administration

Educate professionals with a Master's Degree in Administration, with an ethical and human sense, who analyze specific issues of the administrative process within organizations through the application of analytical methods and management trends. They will be able to make decisions and propose alternative solutions that contribute to the organization's continuous improvement.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20193787

### Admission Profile

#### Knowledge

- Recognizes basic theories of administration.
- Analyzes economic and financial elements within an organization.
- Cites different administrative theories that highlight the importance of new trends in a globalized context.
- Identifies general principles of marketing in the regional environment.
- Defines different leadership styles in an organizational setting.

#### Skills

- Designs different types of organizational manuals.
- Compares various traits in individuals to describe their personality within the workplace.
- Participates continuously in collaborative teams to achieve business strategies.
- Systematically develops a strategic plan to identify areas of opportunity.
- Presents arguments to an audience using critical thinking.

#### Attitudes

- Contributes to achieving objectives for the development of business ethics.

- Acts with social responsibility and ethics in a business environment.
- Shows consistent and positive interest in collaborating with colleagues in the workplace.
- Is aware of social responsibility in resource management.
- Respects company resources to ensure environmental care.

#### Professional Skills

- Conducts diagnostics to assess the organization's health.
- Provides solutions to problems faced by economic entities in organizational information.
- Proposes administrative techniques and strategies according to specific issues and the type of organization.
- Produces research projects that contribute to the improvement of the administrative area.
- Develops practical projects that help create competitive advantages for the organization.
- Builds a critical vision of business in a globalized world.
- Works collaboratively with peers to achieve organizational objectives.
- Carries out decision-making actions that contribute to the continuous improvement of the organization.

#### Curriculum map and integrative educational trajectories

The Master's Degree curriculum consists of 17 courses, organized into cores that represent the progression of courses throughout the academic program. These are further divided into curricular lines or fields of knowledge: **Institutional Core:** Emphasizes student development in line with UPAEP's profile. It includes 1 curricular line: *Leadership*.

**Basic Professional Core:** Concentrates on foundational courses of the academic program, selected for their multidisciplinary approach. It includes 2 curricular lines: Basic Administration and Economics.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 3 curricular lines: Advanced Administration, Marketing, and Economic Environment.

**Capstone Core:** Focuses on courses that provide an interdisciplinary vision of professional education and includes research-oriented courses.



## Master's Degree in Administration and Strategic Management

Educate professionals with a Master's Degree in Strategic Administration and Management, who manage and lead organizations with an ethical and human sense, through the development of the strategic process. The purpose is to innovate and contribute sustainably to the well-being and prosperity of their community, within both national and global contexts.

Modality: Online

Campus: Puebla | RVOE Code: 20241833

### Admission Profile

#### Knowledge

- Distinguishes technological and internet tools such as word processors, spreadsheets, email, browsers, and digital communication tools.
- Identifies organizational process management.
- Possesses basic knowledge and experience in business administration.

#### Skills

- Demonstrates experience in managing and organizing information and resources.
- Uses technology as a means of communication and interaction in non-grounded modalities.
- Applies critical, creative, and change-oriented thinking.
- Possesses basic research skills.
- Demonstrates comprehension of the English language.
- Shows capacity for self-management.

#### Attitudes

- Adequate ability to handle technology and adapt to virtual learning environments.
- Ability to pay attention to others.

- Values the importance of making ethical use of information.
- Negotiation skills for problem-solving.
- Willingness to work collaboratively in an honest manner.
- Interest in research.

#### Professional Skills

- Designs and applies administrative and management strategies in organizations, under a vision committed to human values and business ethics, to foster optimization.
- Generates innovative solutions through the use of emerging technologies and knowledge that respond appropriately to the socio-economic needs of the environment.
- Designs strategic proposals and organizational processes that are competitive, innovative, and oriented toward effective leadership and change management in organizations, promoting a culture of social responsibility and the common good.
- Manages information through data analysis and indicators for strategic decision-making in organizations.

#### Curriculum map and integrative educational trajectories

The Master's Degree curriculum is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles. As an integral part of the education, the curriculum includes a UPAEP Identity course: Transformative Leadership, five courses with a basic professional focus, and one with an advanced professional focus. The professional education also includes two elective lines composed of three courses, which may belong to the same program or to other Master's Degrees. The remaining two courses are research-oriented, ensuring the student's degree completion.



## Master's Degree in Finance

Educate professionals with a Master's Degree in Finance, with an ethical and human sense, who generate, interpret, and design financial and stock market information for investment projects. This is achieved through the development and evaluation of strategic practices aimed at optimizing financial processes and instruments to create value, minimize economic risks, and generate socially relevant projects useful across different sectors of private and public organizations.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20220549

### Admission Profile

#### Knowledge

- Analyzes the elements of basic accounting.
- Explains the economic and financial environment.
- Compares the basic elements of economics.
- Distinguishes supporting software packages.
- Identifies the principles of business administration.

#### Skills

- Manages basic mathematical tools.
- Establishes interpersonal relationships.
- Reads and interprets the English language at a basic level.
- Proposes solutions to problem-solving situations.

#### Values and/or Attitudes

- Assumes a service-oriented attitude toward the community.
- Appreciates human values.
- Is concerned with implementing change processes in their context.

#### Professional Skills

- Develops stock market plans that respond to the needs and requirements of investors.
- Uses financial hedging instruments to minimize the effects of adverse economic movements on the company.
- Evaluates company logistics to measure financial risks.
- Employs databases to generate socially relevant projects.

#### Curriculum map

The Master's Degree curriculum consists of 16 courses organized into cores that represent the progression of the academic program. These are further divided into curricular lines or fields of knowledge:

**Institutional Core:** Emphasizes student development under UPAEP's profile. It includes 1 curricular line: Human Education.

**Basic Professional Core:** Concentrates on foundational courses of the academic program, selected for their multidisciplinary approach. It includes 2 curricular lines: Mathematics and Statistics, and Economics.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 2 curricular lines: Finance and Business.

**Capstone Core:** Focuses on the development of skills for students in the final stage of the program and degree completion. It includes 1 curricular line: Research.



## Master's Degree in Global Strategic Management

Educate professionals with a Master's Degree in Global Strategic Business Management, who foster the creation, leadership, development, and renewal of organizations through strategic decision-making in the areas of management, finance, marketing, and human talent. The goal is to promote, with leadership and a global and systemic perspective, the well-being and prosperity of the business sector.

Modality: Grounded

Campus: Puebla | RVOE Code: 20193883

### Admission Profile

#### Knowledge

- Recognizes the foundations of finance and international economics.
- Interprets general concepts in global trade and marketing.
- Analyzes options for decision-making.
- Distinguishes the basics of logistics and descriptive statistics.

#### Skills

- Works effectively in teams.
- Manages the English language at an academic level.
- Uses various information technologies.
- Demonstrates creativity and communication skills.

#### Attitudes and Values

- Acts with leadership.
- Shows interest in international issues.
- Values different cultures and their interrelations.
- Is aware of the socio-economic challenges of the global business sector.

#### Professional Skills

- Exercises organizational leadership and management, relying on collaborators, capacities, and needs in a multinational context.
- Builds financial and economic plans that enable national and international business competitiveness.
- Develops and uses strategic information and market intelligence by employing cutting-edge information technologies and e-commerce.

#### Curriculum map

The Master's Degree curriculum consists of 14 courses, organized into cores that represent the progression of the academic program. These are further divided into curricular lines or fields of knowledge:

**Institutional Core:** Emphasizes student development in line with UPAEP's profile. It includes 1 curricular line: Human Education.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 3 curricular lines: Organizational Management, Strategic Decision-Making, and Professional Topics.

**Elective Core:** Students may choose 1 line from the 3 available: Strategic Management, Managerial Decision-Making, or Business Financial Intelligence.

**Capstone Core:** Focuses on the development of skills for students in the final stage of the program and degree completion. It includes 2 curricular lines: Integration and Practical Work/Thesis.



## Master's Degree in Global Strategic Management

Educate professionals with a Master's Degree in Global Strategic Business Management, who foster the creation, leadership, development, and renewal of organizations through strategic decision-making in the areas of management, finance, marketing, and human talent. The objective is to promote, with leadership and a global and systemic perspective, the well-being and prosperity of the business sector.

Modality: Online

Campus: Puebla | RVOE Code: 20200032

### Admission Profile

#### Knowledge

- Recognizes the foundations of finance and international economics.
- Interprets general concepts in global trade and marketing.
- Analyzes options for decision-making.
- Distinguishes the basics of logistics and descriptive statistics.

#### Skills

- Works effectively in teams.
- Manages the English language at an academic level.
- Uses various information technologies.
- Demonstrates creativity and communication skills.

#### Attitudes and Values

- Acts with leadership.
- Shows interest in international issues.
- Values different cultures and their interrelations.
- Is aware of the socio-economic challenges of the global business sector.

#### Professional Skills

- Exercises organizational leadership and management, relying on collaborators, capacities, and needs in a multinational context.
- Builds financial and economic plans that enable national and international business competitiveness.
- Develops and uses strategic information and market intelligence by employing cutting-edge information technologies and e-commerce.

#### Curriculum map and integrative educational trajectories

The Master's Degree curriculum consists of 14 courses, organized into cores that represent the progression of the academic program. These are further divided into curricular lines or fields of knowledge:

**Institutional Core:** Emphasizes student development in line with UPAEP's profile. It includes 1 curricular line: Human Education.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 3 curricular lines: Organizational Management and Leadership, Strategic Decision-Making, and Professional Topics.

**Elective Core:** Students may choose 1 line from the 3 available: Strategic Management, Managerial Decision-Making, or Business for Financial Intelligence.

**Capstone Core:** Focuses on the development of skills for students in the final stage of the program and degree completion. It includes 2 curricular lines: Integration and Practical Work/Thesis.



## Master's Degree in Management and Finance

Educate professionals with a Master's Degree in Management and Finance, with an ethical and human sense, who design, develop, and evaluate multidimensional and sustainable financial strategies. These strategies integrate internal business analysis with the operation and interrelation of national and international financial and economic markets to generate management frameworks that enable companies and institutions in both the private and public sectors to achieve their proposed goals.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20251731

### Admission Profile

#### Knowledge

- Analyzes basic elements of accounting.
- Identifies the most commonly used software applications in the financial field.
- Analyzes information related to economic and financial phenomena.

#### Skills

- Manages basic mathematical tools.
- Applies an interdisciplinary vision to problem-solving.
- Uses various communication media to improve team performance.
- Reads and listens to the English language at an intermediate level.

#### Attitudes

- Values collaborative work.
- Appreciates the dignity of the human person.
- Shows interest in basic economic topics.

#### Professional Skills

- Stays updated on national and global financial and economic information.

- Shows interest in businesses that use financial technology (FINTECH).
- Respects human dignity.
- Commits to improving the country's business and social sectors within the institutional framework.

### Curriculum map and integrative educational trajectories

The Master's Degree curriculum is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles. As an integral part of the education, the curriculum includes a UPAEP Identity course, which is an elective in human education. The available options are *Transformative Leadership and Ethics and Social Doctrine*. It also includes: 4 courses with a basic professional focus. 2 elective lines composed of 3 courses, which may belong to the same program or to other Master's Degrees. Options include Innovation Seminars, Outreach, and International Seminars. 2 interdisciplinary elective courses, prioritizing options from other Master's Degrees that contribute to the graduate profile. 2 research-oriented courses, which ensure the student's degree completion.



## Master's Degree in Management and Finance

Educate professionals with a Master's Degree in Management and Finance, with an ethical and human sense, who design, develop, and evaluate multidimensional and sustainable financial strategies. These strategies integrate internal business analysis with the operation and interrelation of national and international financial and economic markets to generate management frameworks that enable companies and institutions in both the private and public sectors to achieve their proposed goals.

Modality: Online

Campus: Puebla | RVOE Code: 20251731

### Admission Profile

#### Knowledge

- Analyzes basic elements of accounting.
- Identifies the most commonly used software applications in the financial field.
- Analyzes information related to economic and financial phenomena.

#### Skills

- Manages basic mathematical tools.
- Applies an interdisciplinary vision to problem-solving.
- Uses various communication media to improve team performance.
- Reads and listens to the English language at an intermediate level.

#### Attitudes

- Stays updated on national and global financial and economic information.
- Shows interest in businesses that use financial technology (FINTECH).
- Respects human dignity.
- Commits to improving the country's business and social sectors within the institutional framework.

#### Professional Skills

- Develops innovative strategies for the performance and improvement of companies and institutions in the business sector, based on the evaluation of financial information generated by them.
- Designs financial risk management proposals aligned with the economic and social characteristics and needs of companies and governments.
- Evaluates the results of implementing financial technology to leverage markets and resources necessary for business operations.
- Analyzes various modalities of financial negotiations that impact the economic and social well-being of citizens and institutions collectively.

#### Curriculum map and integrative educational trajectories

The Master's Degree curriculum is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles. As an integral part of the education, the curriculum includes a UPAEP Identity course, which is an elective in human education. The available options are Transformative Leadership and Ethics and Social Doctrine. It also includes: 4 courses with a basic professional focus. 2 elective lines composed of 3 courses, which may belong to the same program or to other Master's Degrees. Options include Innovation Seminars, Outreach, and International Seminars. 2 interdisciplinary elective courses, prioritizing options from other Master's Degrees that contribute to the graduate profile. 2 research-oriented courses, which ensure the student's degree completion.



## Master's Degree in Management and Marketing

Educate professionals with a Master's Degree in Marketing Management, with an ethical and human sense, who develop managerial skills in marketing by applying concepts of consumer and market analytics, digital innovation in marketing, and socially sustainable marketing. The goal is to manage commercial strategies and solve market challenges in a creative and socially responsible manner.

Modality: Grounded

Campus: Puebla | RVOE Code: 20251733

### Admission Profile

#### Knowledge

- Distinguishes theoretical concepts of business disciplines.
- Identifies technological resources available to deepen and expand learning.
- Recognizes social issues associated with the business environment.

#### Skills

- Manages the English language at an intermediate level.
- Employs argumentation and reasoning for decision-making.
- Applies analytical and synthesis skills to problem-solving.
- Demonstrates oral and written communication skills.
- Selects, analyzes, evaluates, and shares information from diverse sources.

#### Attitudes and Values

- Values the importance of scientific and/or applied research.
- Values the importance of teamwork.
- Prioritizes service to others.
- Is committed to responsibility, truth, and meaningful impact.

#### Professional Skills

- Strategically applies market information using innovative technological tools to create, communicate, exchange, and deliver value propositions.
- Builds cutting-edge studies on consumer behavior, using knowledge bases, foundations, or tools to explain the market in a specific sector, generating a positive impact on society.

#### Curriculum map and integrative educational trajectories

The Master's Degree curriculum is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles.

As an integral part of the program, the curriculum includes a UPAEP Identity course, which is an elective in human education. The available options are *Transformative Leadership*, *Ethics and Social Doctrine*, and *Pedagogy of the Common Good*.

It also includes: 3 courses with a basic professional focus. 2 elective lines composed of 4 courses, which may belong to the same program or to other Master's Degrees. Options include Innovation Seminars, Outreach, and International Seminars. 2 interdisciplinary elective courses, prioritizing options from other Master's Degrees that contribute to the graduate profile. 2 research-oriented courses, which ensure the student's degree completion.



## Master's Degree in Management and Marketing

Educate professionals with a Master's Degree in Marketing Management, with an ethical and human sense, who develop managerial skills in marketing by applying concepts of consumer and market analytics, digital innovation in marketing, and socially sustainable marketing. The goal is to manage commercial strategies and solve market challenges in a creative and socially responsible manner.

Modality: Online

Campus: Puebla | RVOE Code: 20251733

### Admission Profile

#### Knowledge

- Distinguishes theoretical concepts of business disciplines.
- Identifies technological resources available to deepen and expand learning.
- Recognizes social issues associated with the business environment.

#### Skills

- Manages the English language at an intermediate level.
- Employs argumentation and reasoning for decision-making.
- Applies analytical and synthesis skills to problem-solving.
- Demonstrates oral and written communication skills.
- Selects, analyzes, evaluates, and shares information from diverse sources.

#### Attitudes and Values

- Values the importance of scientific and/or applied research.
- Values the importance of teamwork.
- Prioritizes service to others.
- Is committed to responsibility, truth, and meaningful impact.

#### Professional Skills

- Strategically applies market information using innovative technological tools to create, communicate, exchange, and deliver value propositions.
- Builds cutting-edge studies on consumer behavior, using knowledge bases, foundations, or tools to explain the market in a specific sector, generating a positive impact on society.

#### Curriculum map and integrative educational trajectories

The Master's Degree curriculum is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles.

As an integral part of the program, the curriculum includes a UPAEP Identity course, which is an elective in human education. The available options are *Transformative Leadership*, *Ethics and Social Doctrine*, and *Pedagogy of the Common Good*.

It also includes: 3 courses with a basic professional focus. 2 elective lines composed of 4 **courses**, which may belong to the same program or to other Master's Degrees. Options include Innovation Seminars, Outreach, and International Seminars. 2 interdisciplinary elective courses, prioritizing options from other Master's Degrees that contribute to the graduate profile. 2 research-oriented courses, which ensure the student's degree completion.



## Master's Degree in Marketing and Digital Commercialization

Educate professionals with a Master's Degree in Marketing and Digital Commercialization Strategies, with an ethical and human sense, who develop marketing strategies in customer-centered processes through the planning, development, and implementation of marketing and commercialization strategies for goods and services. The objective is to enable assertive decision-making in global, competitive markets in the digital world.

Modality: Online

Campus: Puebla | RVOE Code: 20241832

### Admission Profile

#### Knowledge

- Distinguishes basic concepts and procedures of quantitative methods.
- Identifies fundamental principles of business and related areas.

#### Skills

- Uses office suites, safe internet browsing, and mobile applications.
- Manages concepts of information organization and commercialization resources.
- Utilizes information and communication technologies as the main channel of interaction, mediated by text messages.
- Performs collaborative work and maintains interpersonal relationships to achieve common objectives.
- Demonstrates critical, innovative, and strategic thinking.
- Demonstrates writing and spelling skills.
- Interprets texts in English at an intermediate level.
- Demonstrates basic research skills, as well as analysis and synthesis abilities.
- Shows interest in brand and product development by incorporating digital marketing strategies.

#### Attitudes

- Is aware of the importance of technology and adaptation to virtual learning environments.
- Acts proactively and participates actively.
- Appreciates human values.
- Demonstrates a service-oriented attitude.

#### Professional Skills

- Makes ethical strategic decisions based on consumer behavior in different digital contexts.
- Implements the marketing mix (product, distribution, price, promotion) with a strategic vision for the launch and commercialization of goods and/or services aimed at end consumers.
- Applies international best practices and technological innovation trends that impact marketing, with transparency and adherence to legality.
- Designs strategic marketing plans for the development of products and/or services, identifying local and global markets that foster social responsibility and business ethics.

#### Curriculum map and integrative educational trajectories

The Master's Degree curriculum is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles.

As an integral part of the program, the curriculum includes a UPAEP Identity course: *Transformative Leadership*, three courses with a basic professional focus, and three with an advanced professional focus. The professional education also includes two elective lines composed of four courses, which may belong to the same program or to other Master's Degrees. The remaining course is research-oriented, ensuring the student's degree completion.



## Master's Degree in Taxation

Educate professionals with a Master's Degree in Taxation, with an ethical and human sense, who apply regulations and procedures in fiscal matters through the analysis of problems related to national and international contributions. The objective is to provide integral tax solutions at the individual, business, and governmental levels.

Modality: Grounded

Campus: Tehuacán | RVOE Code: 20193789

### Admission Profile

#### Knowledge

- Recognizes the general principles of economics and tax theory.
- Analyzes the economic system.
- Describes social phenomena related to economic issues.
- Analyzes the global economy.
- Interprets enacted economic norms and laws.
- Identifies economic phenomena in the globalized world.

#### Skills

- Works in interdisciplinary teams.
- Develops financial regulations.
- Participates in resource and process management.
- Designs strategic planning within the company.
- Interprets financial provisions.
- Proposes solutions to economic conflicts.

#### Attitudes

- Appreciates openness, globalization, and internationalization.
- Values continuous learning and permanent updating.
- Inclined toward administrative methodologies.
- Acts with commitment and responsibility in the

exercise of the profession.

#### Professional Skills

- Conducts research oriented toward the analysis and application of fiscal norms.
- Proposes well-founded strategies to resolve problems derived from tax contributions.
- Applies fiscal norms and economic policy guidelines to establish limits and operating conditions for the accounting information system.
- Designs fiscal and financial planning based on taxpayer tax analysis.
- Develops tax projections based on the analysis of current provisions and in compliance with tax laws.
- Makes reasoned financial decisions according to identified problems and opportunities.

#### Curriculum map

The Master's Degree curriculum consists of 18 courses, structured into cores that represent the progression of courses throughout the academic program. These are further divided into curricular lines or fields of knowledge:

**Institutional Core:** Emphasizes student development under UPAEP's profile. It includes 1 curricular line: Leadership.

**Basic Professional Core:** Concentrates on foundational courses of the academic program, selected for their multidisciplinary approach. It includes 3 curricular lines: Economics, Taxation, and Law.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 2 curricular lines: Taxes and Finance.

**Capstone Core:** Focuses on the development of skills for students in the final stage of the program and degree completion. It includes 1 curricular line: Research.



## Doctorate Degree in Management and Finance

Educate Doctors in Management and Finance, with an ethical and human sense, who integrate scientific knowledge in financial performance and strategy through the systematic analysis of the national and international financial and economic environment. The objective is to provide solutions to the challenges and problems that arise in financial activities across companies and institutions.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20251732

### Admission Profile

#### Knowledge

- Compares information related to financial and economic events.
- Differentiates financial analysis methodologies.
- Recognizes the importance of aligning personal interests with the common good.

#### Skills

- Manages the most commonly used software applications in the financial field.
- Reads and writes texts in English at an intermediate level.
- Works in multidisciplinary teams.

#### Attitudes

- Respects human dignity.
- Shows interest in conducting honest research.
- Commits to improving all social sectors of the country within the institutional framework.

#### Professional Skills

- Produces scientific outputs applied to the financial environment that contribute to solving scientific, business, and social problems.
- Designs innovative proposals for the financial

management of private and governmental companies, integrating financial risk management and analysis of the economic and financial environment.

### Curriculum map and integrative educational trajectories

The professional doctorate curriculum is organized into two cores: basic professional and advanced professional. The academic program has a total duration of three years and consists of 16 courses, structured in fourteen-week quarterly cycles.

As an integral part of the program, the curriculum includes a UPAEP Identity course, which is an elective in human education. The available options are *Transformative Leadership* and *Ethics and Social Doctrine*.

It also includes: 3 mandatory courses with a professional focus. 2 elective research lines composed of 3 courses, which may belong to the same program or to other Master's Degrees. Options include Innovation Seminars, Outreach, and International Seminars. 9 courses are dedicated to project development and innovation.

## Doctorate Degree in Management and Finance

Educate Doctors in Management and Finance, with an ethical and human sense, who integrate scientific knowledge in financial performance and strategy through the systematic analysis of the national and international financial and economic environment. The objective is to provide solutions to the challenges and problems that arise in financial activities across companies and institutions.

Modality: Online

Campus: Puebla | RVOE Code: 20251732

### Admission Profile

#### Knowledge

- Compares information related to financial and economic events.
- Differentiates financial analysis methodologies.
- Recognizes the importance of aligning personal interests with the common good.

#### Skills

- Manages the most commonly used software applications in the financial field.
- Reads and writes texts in English at an intermediate level.
- Works in multidisciplinary teams.

#### Attitudes

- Respects human dignity.
- Shows interest in conducting honest research.
- Commits to improving all social sectors of the country within the institutional framework.

#### Professional Skills

- Produces scientific outputs applied to the financial environment that contribute to solving scientific, business, and social problems.
- Designs innovative proposals for the financial

management of private and governmental companies, integrating financial risk management and analysis of the economic and financial environment.

### Curriculum map and integrative educational trajectories

The professional doctorate curriculum is organized into two cores: basic professional and advanced professional. The academic program has a total duration of three years and consists of 16 courses, structured in fourteen-week quarterly cycles.

As an integral part of the program, the curriculum includes a UPAEP Identity course, which is an elective in humanistic formation. The available options are *Transformative Leadership* and *Ethics and Social Doctrine*.

It also includes: 3 mandatory courses with a professional focus. 2 elective research lines composed of 3 courses, which may belong to the same program or to other Master's Degrees. Options include Innovation Seminars, Outreach, and International Seminars. 9 courses are dedicated to project development and innovation.



## Doctorate Degree in Management and Marketing

Educate Doctors in Management and Marketing, with a clear scientific-applied perspective, grounded in solid methodological, organizational, strategic, ethical, humanistic, and socially responsible foundations. This is achieved through the development and implementation of market strategies at the national and international levels, enabling them to carry out, evaluate, and make decisions in management and marketing processes within organizations, while also contributing to high-level, specialized academic education and profound respect for the human person (client).

Modality: Grounded

Campus: Puebla | RVOE Code: 20220712

### Admission Profile

#### Knowledge

- Distinguishes the study of markets and commercialization.
- Analyzes scientific texts in their field of action.
- Integrates major schools of thought to achieve an integral vision of the management and market processes.
- Identifies relevant bibliography related to the thematic area of their research interest.
- Argues ideas clearly, both in writing and orally.

#### Skills

- Applies reasoning, analysis, and synthesis skills to solve organizational and market management problems.
- Investigates solutions to established problems.
- Demonstrates ability to work individually and collaboratively.
- Designs projects based on sound conceptual management.
- Communicates in a foreign language.
- Demonstrates self-directed learning skills.



#### Attitudes and Values

- Assumes commitments responsibly.
- Confronts social, political, and economic realities with interest, sensitivity, and reflection.
- Reflects on the importance of their own actions.
- Values service to others.

#### Professional Skills

- Systematizes, through quantitative and qualitative research methodologies, the optimization of economic, commercial, and marketing processes at the business, industrial, national, and international levels.
- Develops commercialization strategies based on established methods in market management to implement innovations in the research process.
- Analyzes market growth, development, and consumption within the global and sustainable economic context, proposing integral solutions to problems related to market processes.

#### Curriculum map

The Doctorate curriculum consists of 19 courses, organized into cores that represent the progression of courses throughout the academic program. These are further divided into curricular lines or fields of knowledge: **Institutional Core:** Emphasizes student development under UPAEP's profile. It includes 1 curricular line: Human Education.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 1 curricular line: Marketing.

**Elective Core:** Students may choose 1 line from the 3 available: Strategic Marketing Management, Consumer Behavior, or Business Intelligence.

**Capstone Core:** Focuses on the development of skills for students in the final stage of the program and degree completion. It includes 1 curricular line: Research.

## Doctorate Degree in Management and Marketing

Educate Doctors in Management and Marketing, with a clear scientific-applied perspective, grounded in solid methodological, organizational, strategic, ethical, humanistic, and socially responsible foundations. This is achieved through the development and implementation of market strategies at the national and international levels, enabling them to carry out, evaluate, and make decisions in management and marketing processes within organizations, while also contributing to high-level, specialized academic education and profound respect for the human person (client).

Modality: Online

Campus: Puebla | RVOE Code: 20220799

### Admission Profile

#### Knowledge

- Distinguishes the study of markets and commercialization.
- Analyzes scientific texts in their field of action.
- Integrates major schools of thought to achieve an integral vision of the management and market processes.
- Identifies relevant bibliography related to the thematic area of their research interest.
- Argues ideas clearly, both in writing and orally.

#### Skills

- Applies reasoning, analysis, and synthesis skills to solve organizational and market management problems.
- Investigates solutions to established problems.
- Demonstrates ability to work individually and collaboratively.
- Designs projects based on sound conceptual management.
- Communicates in a foreign language.
- Demonstrates self-directed learning skills.



#### Attitudes and Values

- Assumes commitments responsibly.
- Confronts social, political, and economic realities with interest, sensitivity, and reflection.
- Reflects on the importance of their own actions.
- Values service to others.

#### Professional Skills

- Systematizes, through quantitative and qualitative research methodologies, the optimization of economic, commercial, and marketing processes at the business, industrial, national, and international levels.
- Develops commercialization strategies based on established methods in market management to implement innovations in the research process.
- Analyzes market growth, development, and consumption within the global and sustainable economic context, proposing integral solutions to problems related to market processes.

#### Curriculum map

The Doctorate curriculum consists of 19 courses, organized into cores that represent the progression of courses throughout the academic program. These are further divided into curricular lines or fields of knowledge:  
**Institutional Core:** Emphasizes student development under UPAEP's profile. It includes 1 curricular line: Human Education.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 1 curricular line: Marketing.

**Elective Core:** Students may choose 1 line from the 3 available: Strategic Marketing Management, Consumer Behavior, or Business Intelligence.

**Capstone Core:** Focuses on the development of skills for students in the final stage of the program and degree completion. It includes 1 curricular line: Research.



## Doctorate Degree in Organizational Management

Educate Doctors in Organizational Management, with an ethical and human sense, who conduct research and implement management and innovation strategies across all organizational areas. They will utilize financial, commercial, quantitative, and information technology tools to promote decision-making and strengthen organizational competitiveness.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220714

### Admission Profile

#### Knowledge

- Interprets administrative theories and schools of thought, as well as basic and applied concepts in management, leadership, and human talent.
- Applies mathematical and statistical tools to improve decision-making processes.
- Describes organizational statistical and financial information.
- Recognizes the foundations of organizational culture and behavior.
- Analyzes general commercial and marketing variables.

#### Skills

- Manages research methodologies and tools.
- Provides economic, financial, and commercial information necessary for the daily operation of organizations.
- Applies various information technology tools, business intelligence analytics, and advanced/multivariate statistics for decision-making.
- Demonstrates proficiency in oral and written communication in English.

#### Attitudes and Values

- Adopts a global, integral, and systemic perspective to

manage organizational change.

- Defends social responsibility and organizational sustainability.
- Assumes a critical and evaluative judgment when facing the complexity and heterogeneity of the world.
- Is committed to living values such as goodness, truth, justice, and freedom.

#### Professional Skills

- Designs theoretical-practical research for organizational processes and management across different sectors and contexts.
- Coordinates human talent development within multicultural environments.
- Assesses commercial, economic, technological, and social information for organizations to support decision-making, integrating it into a global dynamic.

#### Curriculum map

The Doctorate curriculum consists of 19 courses, organized into cores that represent the progression of courses throughout the academic program. These are further divided into curricular lines or fields of knowledge:

**Institutional Core:** Emphasizes student development in line with UPAEP's profile. It includes 1 curricular line: Human Development.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 1 curricular line: Tools and Strategic Development.

**Elective Core:** Students may choose 1 line from the 2 available: Organizational Management and Innovation, or Competitiveness and Global Strategies.

**Capstone Core:** Focuses on the development of skills for students in the final stage of the program and degree completion. It includes 2 curricular lines: Seminar and Thesis.



## Doctorate Degree in Organizational Management

Educate Doctors in Organizational Management, with an ethical and human sense, who conduct research and implement management and innovation strategies across all organizational areas. They will utilize financial, commercial, quantitative, and information technology tools to promote decision-making and strengthen organizational competitiveness.

Modality: Online

Campus: Puebla | RVOE Code: 20220808

### Admission Profile

#### Knowledge

- Interprets administrative theories and schools of thought, as well as basic and applied concepts in management, leadership, and human talent.
- Applies mathematical and statistical tools to improve decision-making processes.
- Describes organizational statistical and financial information.
- Recognizes the foundations of organizational culture and behavior.
- Analyzes general commercial and marketing variables.

#### Skills

- Manages research methodologies and tools.
- Provides economic, financial, and commercial information necessary for the daily operation of organizations.
- Applies various information technology tools, business intelligence analytics, and advanced/multivariate statistics for decision-making.
- Demonstrates proficiency in oral and written communication in English.

#### Attitudes and Values

- Adopts a global, integral, and systemic perspective to

manage organizational change.

- Defends social responsibility and organizational sustainability.
- Assumes a critical and evaluative judgment when facing the complexity and heterogeneity of the world.
- Is committed to living values such as goodness, truth, justice, and freedom.

#### Professional Skills

- Designs theoretical-practical research for organizational processes and management across different sectors and contexts.
- Coordinates human talent development within multicultural environments.
- Assesses commercial, economic, technological, and social information for organizations to support decision-making, integrating it into a global dynamic.

#### Curriculum map

The Doctorate curriculum consists of 19 courses, organized into cores that represent the progression of courses throughout the academic program. These are further divided into curricular lines or fields of knowledge:

**Institutional Core:** Emphasizes student development in line with UPAEP's profile. It includes 1 curricular line: Human Development.

**Professional Core:** Includes specialized courses in the field that provide students with disciplinary education. It includes 1 curricular line: Tools and Strategic Development.

**Elective Core:** Students may choose 1 line from the 2 available: Organizational Management and Innovation, or Competitiveness and Global Strategies.

**Capstone Core:** Focuses on the development of skills for students in the final stage of the program and degree completion. It includes 2 curricular lines: Seminar and Thesis.



# COLLEGE OF ENGINEERING

**U** | **UPAEP**



# EDUCATIONAL OFFERINGS

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- Bachelor's Degree in Aerospace Engineering
- Bachelor's Degree in Automotive Design Engineering
- Bachelor's Degree in Bionics Engineering
- Bachelor's Degree in Civil Engineering
- Bachelor's Degree in Computer Science and Systems Engineering
- Bachelor's Degree in Data Science
- Bachelor's Degree in Industrial Engineering
- Bachelor's Degree in Industrial Chemistry Engineering
- Bachelor's Degree in Industrial Project Engineering Online
- Bachelor's Degree in Mechatronics Engineering
- Bachelor's Degree in Software Engineering
- Specialty in Construction Risk Engineering
- Specialty in Construction Risk Engineering Online
- Master's Degree in Construction Risk Engineering
- Master's Degree in Construction Risk Engineering Online
- Master's Degree in Data Science and Business Intelligence
- Master's Degree in Data Science and Business Intelligence Online
- Master's Degree in Integrated Manufacturing Systems and Quality Strategies
- Master's Degree in Logistics and Supply Chain Management
- Master's Degree in Logistics and Supply Chain Management Online
- Master's Degree in Mechatronics Engineering
- Master's Degree in Mechatronics Engineering Online
- Master's Degree in Strategic Planning and Technology Management
- Master's Degree in Strategic Planning and Technology Management Online
- Doctorate Degree in Information Technology- Professional doctorate
- Doctorate Degree in Information Technology- Professional doctorate Online
- Doctorate Degree in Logistics and Supply Chain Management- Research doctorate
- Doctorate Degree in Logistics and Supply Chain Management- Research doctorate Online
- Doctorate Degree in Mechatronics Engineering - Research doctorate
- Doctorate Degree in Mechatronics Engineering - Research doctorate Online
- Doctorate Degree in Strategic Planning and Technology Management - Research doctorate
- Doctorate Degree in Strategic Planning and Technology Management - Research doctorate Online



## Bachelor's Degree in Aerospace Engineering

Educate graduates in Aerospace Engineering with an ethical and human approach, capable of analyzing, systematizing, and designing elements in aerostructures, avionics, aeronautical simulation systems, and small satellite systems. This is achieved through the application of manufacturing processes, structural modeling of mechanical components, and project management, as well as techniques that integrate electronic-computational devices in aircraft, to optimize, innovate, and create technological processes within the aerospace manufacturing-electronics industry.

Modality: Grounded

Campus: Puebla | RVOE Code: 20240190

### Admission Profile

#### Knowledge

- Recognizes basic notions of Mathematics and Physics.
- Identifies fundamental elements of Computer Science.
- Interprets the English language at a basic level.

#### Skills

- Observes physical phenomena to identify their relationships.
- Applies analytical and synthetic reasoning for decision-making.
- Demonstrates creativity and imagination.
- Uses oral and written communication effectively.
- Shows ability for self-directed learning.

#### Attitudes

- Values collaborative and multidisciplinary work.
- Displays an entrepreneurial and leadership-oriented attitude.
- Appreciates the importance of discipline, order, and responsibility.

### Professional Skills

- Designs mechanisms and machine elements in aerospace systems to systematize and optimize manufacturing processes, ensuring aircraft quality.
- Develops cutting-edge aerospace systems using computer-aided design software and programmable electronic devices.
- Models aerospace systems to evaluate aircraft performance and maximize user safety, reducing risks for both passengers and external individuals.
- Produces advanced mechanical designs using measurement tools, mechanisms, and tolerance tables in compliance with regulations.
- Develops aerospace projects to implement internal and external services in aircraft, contributing to social relevance.

### Curriculum map and integrative educational trajectories

The curriculum map of the undergraduate program includes preparatory courses, including four language courses to be taken based on the student's English placement test results, *Introduction to University Mathematics*, and *Basic Physics*.

Regarding curricular courses, the study plan is organized into two cores—basic professional and advanced professional—and structured into four educational cores: **Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common by Areas of Knowledge.** Defined by affinity areas within the college or by the combination of several colleges. It groups content that, by nature, constitutes the foundation of professional education, with courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, complementing the preparation of future professionals and prioritizing content from other academic programs.



Vehículo  
Eléctrico

## Bachelor's Degree in Automotive Design Engineering

Educate graduates in Automotive Design with an ethical and human approach, integrating scientific and technological knowledge of electric and autonomous vehicles. This is achieved through the use of design methodologies and software, as well as compliance with industry regulations, to coordinate mobility projects from planning to commercialization.

Modality: Grounded

Campus: Puebla | RVOE Code: 20240169

### Admission Profile

#### Knowledge

- Relates basic knowledge of Mathematics, Physics, and Chemistry.
- Identifies fundamental elements of automotive systems and transportation systems.
- Recognizes the product design process from idea and concept to validation and creation.

#### Skills

- Uses vocabulary in the English language.
- Communicates effectively in oral and written form.
- Works collaboratively in teams.
- Manages Information and Communication Technologies (ICTs).

#### Attitudes

- Acts creatively to solve problems.
- Values environmental care as social responsibility.
- Acts proactively.
- Appreciates innovation as a fundamental component of industry activities.

### Professional Skills

- Designs sustainable automotive systems and components, ensuring compliance with applicable international standards.
- Evaluates and manages multidisciplinary automotive projects with a sustainable economic approach and design for manufacturing and assembly.
- Creates communication interfaces between vehicle systems from a functional perspective of efficiency, safety, and user comfort.
- Innovates in automotive systems and components through virtual modeling, computer-aided engineering, experimental analysis, and prototyping.

### Curriculum map and integrative educational trajectories

The curriculum map of the undergraduate program includes preparatory courses, including four language courses to be taken based on the student's English placement test results, *Introduction to University Mathematics*, and *Basic Physics*.

Regarding curricular courses, the study plan is organized into two cores—basic professional and advanced professional—and structured into four educational cores: **Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common by Areas of Knowledge.** Defined by affinity areas within the college or by the combination of several colleges. It groups content that, by nature, constitutes the foundation of professional education, with courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, complementing the preparation of future professionals and prioritizing content from other academic programs.

## Bachelor's Degree in Bionics Engineering

Educate graduates in Bionic Engineering with an ethical and human approach, integrating interdisciplinary improvement programs in health sector institutions. Graduates will apply science and technology in bionic instrumentation for humans and veterinary medicine through innovation, development, design, operation, and maintenance of hospital systems and equipment for diagnosis and rehabilitation. The goal is to generate proposals for implementing technological actions that meet the needs of the health and industrial sectors.



living beings in clinical, workplace, and community settings.

- Develops cutting-edge technology for the design of equipment and bionic instrumentation by studying biological systems, helping to optimize industrial processes and work environments.
- Designs projects based on bionic engineering related to prevention and rehabilitation technologies for humans and animals.

### Curriculum map and integrative educational trajectories

The undergraduate curriculum map includes preparatory courses: four language courses based on the student's English placement test results, *Introduction to University Mathematics*, and *Basic Physics*.

Regarding curricular courses, the study plan is organized into two cores—basic professional and advanced professional— and structured into four educational cores: **Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common by Areas of Knowledge.** Defined by affinity areas within the college or by the combination of several colleges. It groups content that, by nature, constitutes the foundation of professional education, with courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, complementing the preparation of future professionals and prioritizing content from other academic programs.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241202

### Admission Profile

#### Knowledge

- Defines the basic foundations of natural sciences.
- Recognizes basic notions of Mathematics, Physics, Chemistry, and Computing.
- Interprets basic English.

#### Skills

- Applies analytical and synthetic reasoning.
- Solves basic physics-mathematics problems.
- Uses creativity and imagination.

#### Attitudes and/or Values

- Values the dignity of humans and animals.
- Appreciates collaborative and multidisciplinary work.

#### Professional Skills

- Develops prostheses and orthoses for the rehabilitation of humans and animals, from a multidisciplinary health perspective, guided by bioethical and human principles.
- Manages and administers maintenance areas for medical equipment by applying electrical, electronic, and mechanical protocols, supporting the care of

## Bachelor's Degree in Civil Engineering

Educate graduates in Civil Engineering with an ethical and human approach, capable of planning, designing, constructing, supervising, managing, and maintaining civil works in public, private, or research contexts. This is achieved through the observation, analysis, evaluation, and optimization of material, financial, and human resources in civil projects to provide solutions to infrastructure and construction problems.

- Directs and executes maintenance and rehabilitation of constructions.
- Evaluates and mitigates the environmental impact of infrastructure works.
- Optimizes the use of human talent, materials, and financial resources in civil engineering projects.
- Proposes solutions that contribute to sustainable development and the resilience of buildings.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20192740

### Admission Profile

#### Knowledge

- Recognizes basic notions of Mathematics, Physics, and Chemistry.
- Distinguishes engineering techniques and tools.
- Analyzes Information Technology tools.
- Enumerates physical/natural phenomena and their effects.

#### Skills

- Applies observation to identify social problems and needs.
- Uses English at a basic level.
- Employs common sense, creativity, and inventiveness.

#### Attitudes/Values

- Shows interest in teamwork.
- Works responsibly.
- Cares for the environment.

#### Professional Skills

- Designs, constructs, and supervises infrastructure works.
- Plans, schedules, and controls civil engineering works and services.

### Curriculum map

The undergraduate program curriculum map consists of 62 courses, organized into cores that represent the progression of courses throughout the program. These cores are further divided into curricular lines or areas of knowledge:

**Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes three curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Concentrates on essential courses of the academic program, chosen for their multidisciplinary criteria. It includes five curricular lines: Mathematics, Physics, Basic Technological Tools for Civil Engineering, Chemistry, and Civil Engineering.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of six curricular lines: Construction, Economics and Construction Management, Structures, Geotechnics, Hydraulics, and Highways.

**Elective Core.** Students may choose two lines from the four available: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.



## Bachelor's Degree in Computer Science and Systems Engineering

Educate graduates in Computer and Systems Engineering with an ethical and human approach, capable of analyzing, developing, and implementing innovative computational solutions that mitigate security vulnerabilities in systems and networks. This is achieved through the integration of Internet of Things solutions, cloud computing elements, networks, intelligent systems, and cybersecurity, providing timely proposals to address technological needs in organizations.

Modality: Grounded

Campus: Puebla | RVOE Code: 20240170

### Admission Profile

#### Knowledge

- Distinguishes basic and complex operations in Mathematics.
- Identifies the use of Information and Communication Technologies (ICTs).
- Recognizes English at a basic level.

#### Skills

- Uses creativity and inventiveness.
- Operates electronic and computing equipment.
- Communicates effectively.

#### Attitudes

- Shows initiative in problem-solving.
- Appreciates the dignity of the human person.
- Demonstrates concern for community service.
- Tends toward self-directed learning.

#### Professional Skills

- Proposes computational solutions collaboratively with an innovative approach to organizational problems.
- Applies cybersecurity mechanisms to ethically mitigate vulnerability risks in systems and networks.
- Implements computer network and communication

projects to generate integrated solutions in Internet of Things, wired networks, and cloud computing.

- Evaluates the relevance of intelligent systems for monitoring, analyzing, and controlling information with ethical responsibility.

### Curriculum map and integrative educational trajectories

The curriculum map for the undergraduate program includes preparatory courses, including four language courses to be taken based on the student's English placement test results, and *Introduction to University Mathematics*.

Regarding curricular courses, the study plan is organized into two cores —basic professional and advanced professional— and structured into four educational cores: **Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core. Common by Areas of Knowledge.** Defined by affinity areas within the college or by the combination of several colleges. It groups content that, by nature, constitutes the foundation of professional education, with courses located in the first half of the educational trajectory.

**Professional Core. Disciplinary Education.** Composed of courses essential for developing the graduate profile and corresponding professional skills.

**Elective Core. Transdisciplinary Education.** Consists of four elective courses selected from twelve to fifteen options, complementing the preparation of future professionals and prioritizing content from other academic programs.



## Bachelor's Degree in Data Science

Educate graduates in Data Science Engineering with an ethical and human approach, capable of extracting and organizing data through specialized software, applying statistical methods and machine learning to analyze information, generate knowledge, and present it graphically to contribute to assertive decision-making in organizations.

Modality: Grounded

Campus: Puebla | RVOE Code: 20221178

### Admission Profile

#### Knowledge

- Describes basic mathematical principles.
- Identifies the use of Information and Communication Technologies (ICTs) for information management.
- Recognizes English at a basic level.

#### Skills

- Uses creativity and inventiveness.
- Operates electronic and computing equipment at a basic level.
- Observes social issues in different contexts.

#### Attitudes

- Acts with initiative in problem-solving.
- Appreciates the dignity of the human person.
- Demonstrates concern for community service.

#### Professional Skills

- Creatively employs specialized software tools to solve problems related to data management.
- Analyzes machine learning algorithms and determines the appropriate algorithm to obtain knowledge from data.
- Performs statistical analysis of data for interpretation,

validation, and use in solving problems related to pattern recognition and machine learning.

- Produces reports of results obtained in the data analysis process creatively and ethically to support assertive decision-making in organizations.

### Curriculum map

The undergraduate program curriculum map consists of 48 courses, organized into cores that represent the progression of courses throughout the program. These cores are further divided into curricular lines or areas of knowledge:

**Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes three curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Concentrates on essential courses of the academic program, chosen for their multidisciplinary criteria. It includes four curricular lines: Information Technologies, Basic Accounting, Mathematics, and Basic Programming.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of eight curricular lines: Networks, Statistics, Advanced Programming, Base Software, Software Engineering, Data Processing, Human-Machine Interaction, and Advanced Administration.

**Elective Core.** Students may choose two lines from the four available: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.



## Bachelor's Degree in Industrial Engineering

Educate graduates in Industrial Engineering with a human and ethical approach, capable of designing and managing productive processes in companies with a global and sustainable vision. This is achieved through the application of continuous improvement and optimization philosophies to increase efficiency and competitiveness in organizations.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20192585

### Admission Profile

#### Knowledge

- Relates basic knowledge of Mathematics, Physics, and Chemistry.
- Identifies the logical sequence of a process.
- Analyzes how things are created.

#### Skills

- Communicates effectively in oral and written form.
- Works collaboratively in teams.
- Uses Information and Communication Technologies (ICTs) for academic study.

#### Attitudes

- Shows interest in quality and manufacturing processes.
- Acts responsibly to care for the environment.
- Inclines toward organization and process measurement.
- Appreciates creativity as a characteristic of the engineer.

#### Professional Skills

- Develops innovative and sustainable production processes in an environment of flexibility, continuous

improvement, and safety.

- Executes multidisciplinary production and management projects in organizations, ensuring stakeholder satisfaction.
- Evaluates and designs the supply chain in a globalized environment from an efficiency perspective.
- Generates auditing processes for organizational quality management systems.

### Curriculum map

The undergraduate program curriculum map consists of 60 courses, organized into cores that represent the progression of courses throughout the program. These cores are further divided into curricular lines or areas of knowledge:

**Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes three curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Concentrates on essential courses of the academic program, chosen for their multidisciplinary criteria. It includes four curricular lines: Mathematics, Basic Sciences, Metrology and Technical Drawing, and Work Environment.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of seven curricular lines: Information Technology, Processes, Productivity, Optimization, Projects, Logistics, and Quality.

**Elective Core.** Students may choose two lines from the four available: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.



## Bachelor's Degree in Industrial Chemistry Engineering

Educate graduates in Industrial Chemical Engineering with an ethical and human vision, capable of designing, operating, and optimizing chemical transformation processes through the use of conservation principles, thermodynamic, kinetic, and transport analyses, as well as unit operations. The objective is to develop consumer goods and sustainable industrial chemical engineering projects.

Modality: Grounded

Campus: Puebla | RVOE Code: 20192918

### Admission Profile

#### Knowledge

- Recognizes physical relationships among velocity, force, mass, and work.
- Identifies the properties of matter and its physical and chemical changes.
- Distinguishes basic concepts of inorganic and organic chemistry.
- Interprets elements of a functional mathematical relationship.

#### Skills

- Communicates effectively in oral and written form.
- Performs basic algebraic mathematical operations.
- Uses English for reading texts.
- Applies basic principles of chemistry and physics to problem-solving.

#### Attitudes

- Is aware of environmental care.
- Shows interest in conducting laboratory experiments.
- Values the importance of consistency.
- Acts responsibly in building academic education.

#### Professional Skills

- Proposes new sustainable chemical products and

processes to meet social market demands.

- Uses control and optimization tools to reduce risks and costs in industrial chemical processes.
- Implements and executes projects in the transformation industry.
- Plans processes based on industrial safety standards and guidelines.
- Evaluates the feasibility of using alternative energy sources to promote an environmental protection culture.
- Proposes viable solutions to problems in the transformation industry through collaborative research tasks and projects.

### Curriculum map

The undergraduate program curriculum map consists of 57 courses, organized into cores that represent the progression of courses throughout the program. These cores are further divided into curricular lines or areas of knowledge:

**Institutional Core.** Emphasizes student education under UPAEP's profile. It includes three curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Concentrates on essential courses of the academic program, chosen for their multidisciplinary criteria. It includes four curricular lines: Chemistry, Mathematics, Physics, and Basic Engineering.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of six curricular lines: Analytical Chemistry, Unit Operations, Reactors and Control-Instrumentation, Project Design, Industrial Management, and Emerging Trends in Chemical Engineering.

**Elective Core.** Students may choose two lines from the four available: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.



## Bachelor's Degree in Industrial Project Engineering

Educate graduates in Industrial Project Engineering with an ethical and human approach, capable of managing industrial projects related to productive and service systems through the implementation of optimization processes, material resources, and human talent, in order to strengthen productive and management processes within organizations.

Modality: Online

Campus: Puebla | RVOE Code: 20242008

### Admission Profile

#### Knowledge

- Recognizes the use of technological tools that allow access to new forms of learning.
- Analyzes basic mathematical and physical principles.

#### Skills

- Demonstrates ability to abstract logical-mathematical information.
- Applies observation and analysis.

#### Attitudes/Values

- Shows willingness for self-regulated learning.
- Displays interest in solving problems related to products and services.
- Values continuous improvement in organizations.

#### Professional Skills

- Develops industrial and/or manufacturing projects according to methodologies pertinent to Engineering, considering disciplinary foundations (mathematics, physics, and finance), current regulations, and resource optimization.
- Implements strategies for workplace safety and health, benefiting collaborators through mathematical,

scientific, and legal criteria aligned with company policies to improve productivity systems.

- Elaborates strategic proposals for industrial solutions that contribute to environmental improvement and business sustainability.
- Designs industrial systems for the efficient use of human and material resources to benefit the organization.

### Curriculum map and integrative educational trajectories

The curriculum map of the undergraduate program is divided into two cores—basic professional and advanced professional—and structured into four educational cores: **Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as Human Education, Writing, Entrepreneurship, and Languages.

**Basic Professional Core.** Common by Areas of Knowledge. Defined by affinity areas within the college or by the combination of several colleges. It groups content that, by nature, constitutes the foundation of professional education.

**Professional Core.** Disciplinary Education. Composed of courses essential for developing the graduate profile and corresponding professional skills.

**Elective Core.** Transdisciplinary Education. Consists of two elective courses in the seventeenth and eighteenth cycles, selected from a list of ten options, complementing the preparation of future professionals and prioritizing content from other academic programs.



## Bachelor's Degree in Mechatronics Engineering

Educate graduates in Mechatronics Engineering with an ethical and human approach, capable of designing, updating, and/or modifying production lines using sustainable components and devices, as well as proposing integral and multidisciplinary solutions in the mechanical, electrical, electronic, and software areas. Graduates will be prepared to diagnose, automate, innovate, and implement solutions in the industrial sector.

Modality: Grounded

Campus: Puebla | RVOE Code: 20140168

### Admission Profile

#### Knowledge

- Distinguishes basic notions of Mathematics, Physics, and Chemistry.
- Recognizes basic computer programs.

#### Skills

- Applies observation, analysis, and synthesis.
- Uses creativity and inventiveness.
- Solves physics-mathematics problems.
- Communicates effectively.

#### Attitudes/Values

- Shows interest in experimental work.
- Values teamwork in multidisciplinary settings.
- Is willing to work in extended sessions.

#### Professional Skills

- Designs and implements world-class maintenance plans and strategies to prevent and correct failures in mechatronic systems, contributing to continuous improvement, reducing workplace accidents, and improving product quality.
- Leads design teams for the construction of next-generation mechatronic systems, using computational

and simulation tools aimed at improving industrial processes, fostering workplace well-being, and safe work environments.

- Develops and integrates computational, electronic, mechanical, and control systems to automate and interconnect next-generation processes.
- Generates collaborative interdisciplinary high-tech solutions for the integration of flexible manufacturing systems aimed at product improvement and the creation of safe work environments.

### Curriculum map and integrative educational trajectories

The undergraduate curriculum map includes preparatory courses: four language courses based on the student's English placement test results, *Introduction to University Mathematics*, and *Basic Physics*.

Regarding curricular courses, the study plan is organized into two cores –basic professional and advanced professional– and structured into four educational cores: **Institutional Core. UPAEP University Education.** Includes courses aligned with the institutional profile, such as human education, languages, and entrepreneurship.

**Basic Professional Core.** Common by Areas of Knowledge. Defined by affinity areas within the college or by the combination of several colleges. It groups content that, by nature, constitutes the foundation of professional education, with courses located in the first half of the educational trajectory.

**Professional Core.** Disciplinary Education. Composed of courses essential for developing the graduate profile and corresponding professional skills.

**Elective Core.** Transdisciplinary Education. Consists of four elective courses selected from twelve to fifteen options, complementing the preparation of future professionals and prioritizing content from other academic programs.



## Bachelor's Degree in Software Engineering

Educate graduates in Software Engineering with an ethical and human approach, capable of developing and managing interconnected software systems through the use of software processes to meet the current needs of industrial, governmental, and social sectors at both national and international levels.

- Manages human and technological resources for the optimal development of software systems.
- Applies technological trends to enhance organizations' competitive capacity.

### Curriculum map

The undergraduate program curriculum map consists of 49 courses, organized into cores that represent the progression of courses throughout the program. These cores are further divided into curricular lines or areas of knowledge:

**Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes three curricular lines: Human Education, Entrepreneurship, and Languages.

**Basic Professional Core.** Concentrates on essential courses of the academic program, chosen for their multidisciplinary criteria. It includes three curricular lines: Mathematics, Programming and Software Engineering, and Computer Architecture.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of four curricular lines: Information Management, Database Software, Software Engineering, and Human-Machine Interaction.

**Elective Core.** Students may choose two lines from the four available: Entrepreneurship, Disciplinary Area, Academic Systems of Social Relevance, or General Education.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.

Modality: Grounded

Campus: Puebla | RVOE Code: 20192781

### Admission Profile

#### Knowledge

- Recognizes basic concepts of English and Mathematics.
- Identifies diverse aspects of general culture.

#### Skills

- Applies basic logical-mathematical reasoning processes.
- Demonstrates creative capacity.
- Infers different ways to solve a problem.
- Works collaboratively.

#### Attitudes/Values

- Acts in a participatory manner.
- Shows interest in the ethical use, management, and operation of computers.
- Demonstrates initiative and desire for learning.
- Inclined toward self-directed learning.

#### Professional Skills

- Strategically directs activities involved in the phases of the software development life cycle.
- Uses methodologies and paradigms of software systems development appropriate to current needs.



## Specialty in Construction Risk Engineering

Educate specialists in Construction Risk Engineering with an ethical, humanistic, and socially committed approach, capable of developing skills in the evaluation and management of risks in civil engineering works. This is achieved through the use of tools and methodologies with a resilience-based focus to characterize threats and vulnerabilities across the planning, design, construction, evaluation, and maintenance of infrastructure.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20241816

### Admission Profile

#### Knowledge

- Describes basic mathematical processes to characterize uncertainty in risk analysis.
- Identifies basic concepts of geotechnics, hydrology, and structural design.
- Recognizes fundamental concepts of planning and design in civil engineering projects.

#### Skills

- Demonstrates oral and written proficiency.
- Applies structural evaluation techniques.
- Uses specialized software in civil engineering projects.
- Interprets basic mathematical models to characterize construction behavior.
- Manages English at a technical level.

#### Attitudes/Values

- Values the importance of ethics and planning in integral risk management.
- Works collaboratively and in multidisciplinary teams.
- Is aware of the importance of continuous education to foster innovative development and achieve optimal results.

- Responds to social needs in context, seeking the common good.

#### Professional Skills

- Characterizes threats and vulnerabilities in construction to enhance their resilience.
- Evaluates risk in civil engineering works by implementing techniques and tools from an ethical and socially responsible perspective, in response to geodynamic and hydrometeorological phenomena.

#### Curriculum map and integrative educational trajectories

The specialty curriculum map is organized into two cores: basic professional and advanced professional. The academic program has a total duration of one year, structured in fourteen-week quarterly cycles. As an integral part of the education, one UPAEP Identity course is included: *Transformative Leadership*. The remaining courses are curricular and specifically designed to align with the discipline, ensuring an integral and coherent educational trajectory for the student.



## Specialty in Construction Risk Engineering

Educate specialists in Construction Risk Engineering with an ethical, humanistic, and socially committed approach, capable of developing skills in the evaluation and management of risks in civil engineering works. This is achieved through the use of tools and methodologies with a resilience-based focus to characterize threats and vulnerabilities across the planning, design, construction, evaluation, and maintenance of infrastructure.

- Responds to social needs in context, seeking the common good.

### Professional Skills

- Characterizes threats and vulnerabilities in construction to enhance their resilience.
- Evaluates risk in civil engineering works by implementing techniques and tools from an ethical and socially responsible perspective, in response to geodynamic and hydrometeorological phenomena.

### Curriculum map and integrative educational trajectories

The specialty curriculum map is organized into two cores: basic professional and advanced professional. The academic program has a total duration of one year, structured in fourteen-week quarterly cycles. As an integral part of the education, one UPAEP Identity course is included: *Transformative Leadership*. The remaining courses are curricular and specifically designed to align with the discipline, ensuring an integral and coherent educational trajectory for the student.

Modality: Online

Campus: Puebla | RVOE Code: 20241816

### Admission Profile

#### Knowledge

- Describes basic mathematical processes to characterize uncertainty in risk analysis.
- Identifies basic concepts of geotechnics, hydrology, and structural design.
- Recognizes fundamental concepts of planning and design in civil engineering projects.

#### Skills

- Demonstrates oral and written proficiency.
- Applies structural evaluation techniques.
- Uses specialized software in civil engineering projects.
- Interprets basic mathematical models to characterize construction behavior.
- Manages English at a technical level.

#### Attitudes/Values

- Values the importance of ethics and planning in integral risk management.
- Works collaboratively and in multidisciplinary teams.
- Is aware of the importance of continuous education to foster innovative development and achieve optimal results.



## Master's Degree in Construction Risk Engineering

Educate professionals in Construction Risk Engineering with an ethical, humanistic, and socially committed approach, capable of developing skills in the evaluation and management of risks in civil engineering works. This is achieved through the use of tools and methodologies with a resilience- and decision-making-focused approach to reduce risks from natural phenomena across the planning, design, construction, evaluation, and maintenance of infrastructure.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20241830

### Admission Profile

#### Knowledge

- Describes basic mathematical processes to characterize uncertainty in risk analysis related to natural phenomena.
- Distinguishes geotechnical behavior.
- Recognizes structural behavior.
- Identifies fundamental concepts of planning and design.

#### Skills

- Demonstrates oral and written communication skills.
- Applies structural evaluation techniques.
- Uses specialized software to solve practical problems in the construction industry.
- Interprets basic mathematical models to characterize construction behavior.
- Manages English at a technical level.
- Works collaboratively and in multidisciplinary teams.

#### Attitudes

- Values the importance of ethics and planning in integral risk management.
- Is aware of the importance of continuous education to foster innovative development and achieve optimal

results.

- Responds to social needs in context, seeking the common good.

#### Professional Skills

- Strategically evaluates threats and vulnerabilities in constructions, designing action plans to mitigate risks, increase resilience, and preserve human integrity.
- Implements cutting-edge engineering techniques, models, and tools for integral risk management and mitigation in civil engineering works.
- Proposes applied engineering projects from an ethical and socially responsible perspective to build sustainable and resilient cities in the face of geodynamic and hydrometeorological phenomena.

#### Curriculum map and integrative educational trajectories

The master's program curriculum map is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles.

As an integral part of the education, one UPAEP Identity course is included: a human elective with options such as *Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good*. The program also consists of four courses with a basic professional orientation.

In professional Education, students select two elective lines, each composed of three courses, which may belong to the same program or to other master's programs. Options include *Innovation Seminars, Updating, and Integration*. Additionally, two interdisciplinary elective courses are included, prioritizing options from other master's programs that contribute to the graduate profile. The final two courses are curricular research courses, designed to ensure the student's graduation.



## Master's Degree in Construction Risk Engineering

Educate professionals in Construction Risk Engineering with an ethical, humanistic, and socially committed approach, capable of developing skills in the evaluation and management of risks in civil engineering works. This is achieved through the use of tools and methodologies with a resilience- and decision-making-focused approach to reduce risks from natural phenomena across the planning, design, construction, evaluation, and maintenance of infrastructure.

Modality: Online

Campus: Puebla | RVOE Code: 20241830

### Admission Profile

#### Knowledge

- Describes basic mathematical processes to characterize uncertainty in risk analysis related to natural phenomena.
- Distinguishes geotechnical behavior.
- Recognizes structural behavior.
- Identifies fundamental concepts of planning and design.

#### Skills

- Demonstrates oral and written communication skills.
- Applies structural evaluation techniques.
- Uses specialized software to solve practical problems in the construction industry.
- Interprets basic mathematical models to characterize construction behavior.
- Manages English at a technical level.
- Works collaboratively and in multidisciplinary teams.

#### Attitudes

- Values the importance of ethics and planning in integral risk management.
- Is aware of the importance of continuous education to foster innovative development and achieve optimal

results.

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#### Professional Skills

- Strategically evaluates threats and vulnerabilities in constructions, designing action plans to mitigate risks, increase resilience, and preserve human integrity.
- Implements cutting-edge engineering techniques, models, and tools for integral risk management and mitigation in civil engineering works.
- Proposes applied engineering projects from an ethical and socially responsible perspective to build sustainable and resilient cities in the face of geodynamic and hydrometeorological phenomena.

#### Curriculum map and integrative educational trajectories

The master's program curriculum map is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles.

As an integral part of the education, one UPAEP Identity course is included: a human elective with options such as *Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good*. The program also consists of four courses with a basic professional orientation.

In professional Education, students select two elective lines, each composed of three courses, which may belong to the same program or to other master's programs. Options include *Innovation Seminars, Updating, and Integration*. Additionally, two interdisciplinary elective courses are included, prioritizing options from other master's programs that contribute to the graduate profile. The final two courses are curricular research courses, designed to ensure the student's graduation.



## Master's Degree in Data Science and Business Intelligence

Educate professionals in Data Science and Business Intelligence with an ethical and human approach, capable of developing projects based on the transformation of data and knowledge from diverse social contexts through the application of machine learning techniques and business intelligence tools, with the objective of contributing to the renewal of organizations.

Modality: Grounded

Campus: Puebla

RVOE Code: SE-SES/21/114/01/2867/2023/SIE

### Admission Profile

#### Knowledge

- Recognizes tools for data extraction.
- Identifies basic concepts of descriptive and inferential statistics.
- Distinguishes information technology tools for data processing.

#### Skills

- Reads and interprets texts in English with ease.
- Communicates clearly and fluently in oral and written form.
- Uses critical thinking to support opinions.
- Applies logic in problem-solving.

#### Attitudes

- Shows openness to multidisciplinary teamwork.
- Acts with a vocation of service to society.
- Demonstrates a continuous learning attitude.
- Acts with openness to dialogue.

#### Professional Skills

- Builds socially relevant projects based on the application of data science and business intelligence to support decision-making in organizations.

- Solves complex situations through data governance with the purpose of adding value in any social context.
- Implements methodologies and techniques of data science and business intelligence to analyze and manage large volumes of data.

### Curriculum map and integrative educational trajectories

The master's program curriculum map is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 16-week quarterly cycles.

As an integral part of the education, one UPAEP Identity course is included: a human elective with options such as *Ethics and Social Doctrine* or *Transformative Leadership*. The program also consists of five courses with a basic professional orientation, including one elective in Complementary Business Systems.

In professional Education, students select two elective lines, each composed of three courses, which may belong to the same program or to other master's programs. Options include the *Innovation Seminar* and the *Updating Seminar*. Additionally, three curricular research courses are included to ensure the student's graduation.



## Master's Degree in Data Science and Business Intelligence

Educate professionals in Data Science and Business Intelligence with an ethical and human approach, capable of developing projects based on the transformation of data and knowledge from diverse social contexts through the application of machine learning techniques and business intelligence tools, with the objective of contributing to the renewal of organizations.

Modality: Online  
Campus: Puebla  
RVOE Code: SE-SES/21/114/01/2868/2023/SIE

### Admission Profile

#### Knowledge

- Recognizes tools for data extraction.
- Identifies basic concepts of descriptive and inferential statistics.
- Distinguishes information technology tools for data processing.

#### Skills

- Reads and interprets texts in English with ease.
- Communicates clearly and fluently in oral and written form.
- Uses critical thinking to support opinions.
- Applies logic in problem-solving.

#### Attitudes

- Shows openness to multidisciplinary teamwork.
- Acts with a vocation of service to society.
- Demonstrates a continuous learning attitude.
- Acts with openness to dialogue.

#### Professional Skills

- Builds socially relevant projects based on the application of data science and business intelligence to support decision-making in organizations.

- Solves complex situations through data governance with the purpose of adding value in any social context.
- Implements methodologies and techniques of data science and business intelligence to analyze and manage large volumes of data.

### Curriculum map and integrative educational trajectories

The master's program curriculum map is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 16-week quarterly cycles. As an integral part of the education, one UPAEP Identity course is included: a human elective with options such as *Ethics and Social Doctrine* or *Transformative Leadership*. The program also consists of five courses with a basic professional orientation, including one elective in Complementary Business Systems. In professional Education, students select two elective lines, each composed of three courses, which may belong to the same program or to other master's programs. Options include the *Innovation Seminar* and the *Updating Seminar*. Additionally, three curricular research courses are included to ensure the student's graduation.



Auto



## Master's Degree in Integrated Manufacturing Systems and Quality Strategies

Educate professionals in Integrated Manufacturing Systems and Quality Strategies with an ethical, humanistic, and forward-looking approach, capable of contributing to the development of value proposals within organizations through the design, simulation, management, and optimization of processes and products. This is achieved by complying with national and international quality standards and stakeholder requirements, enabling decision-making that resolves and prevents industrial problems.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20220796

### Admission Profile

#### Knowledge

- Recognizes basic computing tools for information management.
- Identifies basic elements of industrial design software.
- Analyzes information using statistical tools.
- Distinguishes basic aspects of industrial processes.

#### Skills

- Applies logic for problem analysis and solving.
- Communicates effectively.
- Responds to basic needs using English.

#### Attitudes/Values

- Acts with a vocation of service to society.
- Values a participatory and collaborative stance.
- Inclined toward working with honesty.
- Shows interest in teamwork.

#### Professional Skills

- Evaluates areas of opportunity to plan, measure, optimize, and control processes and products in

organizations.

- Uses quality, manufacturing, and design tools to solve and prevent production problems.
- Argues and applies standards, specifications, and methodologies to adapt organizational performance with an ethical and human focus.

### Curriculum map and integrative educational trajectories

The master's program curriculum map consists of 12 courses, organized into cores that outline the progression of courses throughout the academic program. These cores are further divided into curricular lines or areas of knowledge:

**Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes one curricular line: Human Development.

**Basic Professional Core.** Concentrates on essential courses of the academic program, chosen for their multidisciplinary criteria. It includes one curricular line: Logical and Systemic Thinking.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of two curricular lines: Manufacturing and Quality, and Professional Topics.

**Elective Core.** Students may choose one of the two available lines: Quality Engineering or Integrated Manufacturing Systems.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes two curricular lines: Integration and Practical Work/Research.



## Master's Degree in Logistics and Supply Chain Management

Educate professionals in Logistics and Supply Chain Management with an ethical and human approach, capable of developing application projects in which the tactical/operational behavior of decision-making in Logistics and Supply Chain is evaluated and improved. This is achieved through the use of optimization, simulation, and statistical models and methods, with the aim of contributing and proposing solutions to logistical problems in manufacturing and service organizations.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220803

### Admission Profile

#### Knowledge

- Relates basic concepts of logistics and supply chain management to real problems in manufacturing and service organizations.
- Distinguishes fundamental knowledge of Logistics and Supply Chain Management.
- Identifies basic knowledge of statistics.

#### Skills

- Works collaboratively in multidisciplinary research environments.
- Uses technological tools for content collection, synthesis, analysis, and decision-making.
- Operates commercial logistics and supply chain software.

#### Attitudes

- Respects diverse opinions, even when they differ from one's own.
- Acts responsibly in activities.
- Demonstrates willingness to work and contribute new ideas.

#### Professional Skills

- Plans logistics operations in the supply chain using mathematical models to establish defined operational processes that improve decision-making.
- Develops, argues, and defends logistics and supply chain management application projects in industrial or social contexts, using optimization models and cutting-edge information technology to manage and control services according to environmental needs.
- Evaluates and argues orally different project proposals to solve logistical problems in organizations.

#### Curriculum map

The master's program curriculum map consists of 12 courses, organized into cores that outline the progression of courses throughout the academic program. These cores are further divided into curricular lines or areas of knowledge:

**Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes one curricular line: Human Development.

**Basic Professional Core.** Concentrates on essential courses of the academic program, chosen for their multidisciplinary criteria. It includes two curricular lines: Logical and Systemic Thinking, and Logistics and Supply Chain.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of one curricular line: Professional Topics.

**Elective Core.** Students may choose one of the two available lines: Supply Chain Resilience or Logistics Operations.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.



## Master's Degree in Logistics and Supply Chain Management

Educate professionals in Logistics and Supply Chain Management with an ethical and human approach, capable of developing application projects in which the tactical/operational behavior of decision-making in Logistics and Supply Chain is evaluated and improved. This is achieved through the use of optimization, simulation, and statistical models and methods, with the aim of contributing and proposing solutions to logistical problems in manufacturing and service organizations.

Modality: Online

Campus: Puebla | RVOE Code: 20220798

### Admission Profile

#### Knowledge

- Relates basic concepts of logistics and supply chain management to real problems in manufacturing and service organizations.
- Distinguishes fundamental knowledge of Logistics and Supply Chain Management.
- Identifies basic knowledge of statistics.

#### Skills

- Works collaboratively in multidisciplinary research environments.
- Uses technological tools for content collection, synthesis, analysis, and decision-making.
- Operates commercial logistics and supply chain software.

#### Attitudes

- Respects diverse opinions, even when they differ from one's own.
- Acts responsibly in activities.
- Demonstrates willingness to work and contribute new ideas.

#### Professional Skills

- Plans logistics operations in the supply chain using mathematical models to establish defined operational processes that improve decision-making.
- Develops, argues, and defends logistics and supply chain management application projects in industrial or social contexts, using optimization models and cutting-edge information technology to manage and control services according to environmental needs.
- Evaluates and argues orally different project proposals to solve logistical problems in organizations.

#### Curriculum map

The master's program curriculum map consists of 12 courses, organized into cores that outline the progression of courses throughout the academic program. These cores are further divided into curricular lines or areas of knowledge:

**Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes one curricular line: Human Development.

**Basic Professional Core.** Concentrates on essential courses of the academic program, chosen for their multidisciplinary criteria. It includes two curricular lines: Logical and Systemic Thinking, and Logistics and Supply Chain.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of one curricular line: Professional Topics.

**Elective Core.** Students may choose one of the two available lines: Supply Chain Resilience or Logistics Operations.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.



## Master's Degree in Mechatronics Engineering

Educate professionals with a Master's Degree in Mechatronics Engineering with an ethical and human vision, capable of proposing sustainable technological solutions through the study and development of mechatronic systems, in order to innovate productive processes in the industry of the future and generate applied knowledge from a multidisciplinary perspective.

Modality: Grounded  
Campus: Puebla | RVOE Code: 20251725

### Admission Profile

#### Knowledge

- Recognizes general fundamentals of Mechanical and Electronic Engineering.
- Interprets concepts of structured programming.
- Analyzes basic technological problems of a practical nature.
- Recognizes the scientific method for project development.

#### Skills

- Formulates basic mathematical models.
- Proposes solutions to problems of interest in engineering.
- Uses scientific vocabulary in English.
- Works collaboratively.

#### Attitudes

- Values honesty and responsibility.
- Acts with leadership and innovative entrepreneurship.
- Is aware of the need for technological solutions in the region and the country.
- Respects human dignity, as well as duties and rights.
- Shows interest in regional, national, and international environments and cultures.

### Professional Skills

- Applies innovative technologies to solve current problems in mechatronics.
- Uses simulation tools for feasibility analysis in the development of mechatronic systems to improve industrial competitiveness.
- Optimizes mechatronic systems to meet the needs of emerging technologies.
- Proposes new methodologies and technological developments through the generation of solutions in mechatronics engineering and related areas.

### Curriculum map and integrative educational trajectories

The master's program curriculum map is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles.

As an integral part of the education, one UPAEP Identity course is included: a human elective with options such as *Transformative Leadership* or *Ethics and Social Doctrine*. The program also consists of three courses with a basic professional orientation.

In professional Education, students select two elective lines, each composed of four courses, which may belong to the same program or to other master's programs. Options include the Innovation Seminar, the Updating Seminar, and the Integration Seminar. Additionally, two interdisciplinary elective courses are included, prioritizing options from other master's programs that contribute to the graduate profile. The final two courses are curricular research courses, designed to ensure the student's graduation.



## Master's Degree in Mechatronics Engineering

Educate professionals in Mechatronics Engineering who promote the use of new technologies in the design, operation, and maintenance of mechatronic systems, the management of automated systems, and the development of integral skills. This is achieved through education in the use of cutting-edge tools, in-depth and applied knowledge of advanced industrial technologies, and preparation in the innovative process of technological and business development, to generate human talent that exercises leadership in the application of state-of-the-art mechatronic technologies. These technologies enhance the functionality and efficiency of automated systems, thereby promoting business competitiveness across virtually all sectors.

Modality: Online

Campus: Puebla

RVOE Code: SEP-SES/21/114/01/1031/2013

### Admission Profile

#### Knowledge

- Defines theories of differential and integral calculus.
- Identifies theories of differential equations.
- Distinguishes theories of general electronics.
- Recognizes theories of general mechanics.
- Identifies theories of structured programming.

#### Skills

- Develops mathematical processes.
- Applies theories to solve problems in general electronics.
- Applies theories to solve problems in general mechanics.
- Applies theories to solve problems in structured programming.
- Observes physical phenomena and interprets them.
- Synthesizes basic technological problems of a practical nature.

#### Attitudes/Values

- Adopts creativity and inventiveness as a model for solving practical technological problems.
- Demonstrates a proactive attitude toward teamwork.
- Adapts to extended work sessions.

#### Habits

- Works in an organized manner.
- Works in a balanced and thoughtful way.
- Reacts proactively to new situations..

#### Professional Skills

- Develops cutting-edge technologies to differentiate advanced automation systems and prioritize their application for the benefit of society.
- Applies innovative practices of new technologies to modernize organizational production processes.
- Uses state-of-the-art technological tools, through analysis and simulation, for the optimal development of automation solutions that operate autonomously and respond to their environment.
- Prepares technical reports and specialized documentation on complex engineering activities to contribute to professional group work.
- Creatively adapts new industrial manufacturing process technologies, in alignment with automation projects, to optimize resources.
- Collaborates in the evaluation of investment projects, based on recognition of the technological market, for the development or acquisition of cutting-edge technologies.
- Carries out activities across the technological product development life cycle, using analysis, modeling, and business management methods to develop solutions that impact the target market.
- Proposes solutions to business problems through assertive entrepreneurial decision-making techniques.
- Employs technologies as tools for continuous learning and professional performance.

#### Curriculum map and integrative educational trajectories

The master's program curriculum map consists of 12 courses, organized into cores that represent the progression of courses throughout the academic program, further divided into curricular lines or areas of knowledge. To complete the program, students must take 3 mandatory courses and 9 elective courses. Of these electives, at least 2 must belong to the curricular line of *Macro, Micro, and Nanomechanics*, one to *Mechatronic Design*, and one to *Innovation and Entrepreneurial Development*. The remaining 5 electives, referred to as complementary electives, may be chosen from the following curricular lines: *Macro, Micro, and Nanomechanics*; *Mechatronic Design*; *Innovation and Entrepreneurial Development*; *Business Management*; *Mechatronics in Manufacturing Processes*; *Refresher and Integration Seminars*; and *Research*.



## Master's Degree in Strategic Planning and Technology Management

Educate professionals in Strategic Planning and Technology Management with an ethical and human vision, capable of proposing organizational actions through the generation of business strategies and technological management. This is achieved by applying diagnostic methodologies and decision analysis, with the purpose of providing a global, ethical, and human perspective of the company and its environment.

- Formulates strategic or technological implementation projects using management tools that contribute to the development of society.
- Employs innovation schemes based on the latest trends to improve administrative, operational, or strategic processes under new technologies.

### Curriculum map and integrative educational trajectories

The master's program curriculum map is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles.

As an integral part of the education, one UPAEP Identity course is included: a human elective with options such as *Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good*. The program also consists of four courses with a basic professional orientation.

In professional Education, students select two elective lines, each composed of three courses, which may belong to the same program or to other master's programs. Options include the *Innovation Seminar, the Updating Seminar, and the Integration Seminar*. Additionally, two interdisciplinary elective courses are included, prioritizing options from other master's programs that contribute to the graduate profile. The final two courses are curricular research courses, designed to ensure the student's graduation.

Modality: Grounded

Campus: Puebla | RVOE Code: 20241828

### Admission Profile

#### Knowledge

- Distinguishes the role of strategic management within the organization.
- Identifies tools for decision-making.
- Recognizes organizational management issues.

#### Skills

- Develops basic aspects of business management within the lines of engineering strategies, business, and technology management.
- Manages digital information.
- Uses creative capacity.

#### Attitudes

- Tolerates ambiguous situations.
- Acts with reflective thinking.
- Promotes teamwork.

#### Professional Skills

- Proposes strategies for problem-solving through technology management to enhance organizational productivity.
- Applies strategic models collaboratively, based on organizational diagnosis, in pursuit of sustainability.



## Master's Degree in Strategic Planning and Technology Management

Educate professionals in Strategic Planning and Technology Management with an ethical and human vision, capable of proposing organizational actions through the generation of business strategies and technological management. This is achieved by applying diagnostic methodologies and decision analysis, with the purpose of providing a global, ethical, and human perspective of the company and its environment.

Modality: Online

Campus: Puebla | RVOE Code: 20241828

### Admission Profile

#### Knowledge

- Distinguishes the role of strategic management within the organization.
- Identifies tools for decision-making.
- Recognizes organizational management issues.

#### Skills

- Develops basic aspects of business management within the lines of engineering strategies, business, and technology management.
- Manages digital information.
- Uses creative capacity.

#### Attitudes

- Tolerates ambiguous situations.
- Acts with reflective thinking.
- Promotes teamwork.

#### Professional Skills

- Proposes strategies for problem-solving through technology management to enhance organizational productivity.
- Applies strategic models collaboratively, based on organizational diagnosis, in pursuit of sustainability.

- Formulates strategic or technological implementation projects using management tools that contribute to the development of society.
- Employs innovation schemes based on the latest trends to improve administrative, operational, or strategic processes under new technologies.

### Curriculum map and integrative educational trajectories

The master's program curriculum map is organized into two cores: basic professional and advanced professional. The academic program lasts two years and consists of 12 courses, structured into 14-week quarterly cycles.

As an integral part of the education, one UPAEP Identity course is included: a human elective with options such as *Transformative Leadership, Ethics and Social Doctrine, or Pedagogy of the Common Good*. The program also consists of four courses with a basic professional orientation.

In professional Education, students select two elective lines, each composed of three courses, which may belong to the same program or to other master's programs. Options include the *Innovation Seminar, the Updating Seminar, and the Integration Seminar*. Additionally, two interdisciplinary elective courses are included, prioritizing options from other master's programs that contribute to the graduate profile. The final two courses are curricular research courses, designed to ensure the student's graduation.



## Doctorate Degree in Information Technology

Educate doctoral graduates in Information Technologies with an ethical and human vision, capable of becoming leaders in developing innovative models of business intelligence and web technology management for business decision-making. This is achieved through data acquisition, cleaning, and exploitation, to generate relevant information that transforms into knowledge for the benefit of institutions and society.

- Applies descriptive and predictive models of business processes to design web-based technological solutions with a scientific approach.
- Manages the application of web technologies to monitor business processes and ensure product or service quality.

### Curriculum map

The doctoral program curriculum map comprises 19 courses organized into cores that represent the progression of the academic program. These cores are further divided into curricular lines or areas of knowledge: Institutional Core. Emphasizes student Education under UPAEP's profile. It includes one curricular line: Human Development.

Professional Core. Includes specialized courses in the field that provide students with disciplinary education. It consists of two curricular lines: Web Technology and Business Intelligence.

Elective Core. Students may choose one of the two available lines: Web Technology or Business Intelligence.

Capstone Core. Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.

Modality: Grounded

Campus: Puebla | RVOE Code: 20220713

### Admission Profile

#### Knowledge

- Distinguishes concepts of descriptive statistics.
- Analyzes labor-market development opportunities using a systemic approach.
- Analyzes scientific readings in English.

#### Skills

- Manages databases.
- Coordinates work teams in technological projects.
- Applies technological concepts in the workplace.

#### Attitudes/Values

- Contributes new business opportunities.
- Is committed to providing solutions for society.
- Demonstrates a service-oriented attitude.
- Shows commitment to the development of Small and Medium Enterprises (SMEs) and to the innovation of business processes through an analytical view of the environment.

#### Professional Skills

- Generates business process information through data collection, cleaning, and exploitation for corporate decision-making.



## Doctorate Degree in Information Technology

Educate doctoral graduates in Information Technologies with an ethical and human vision, capable of becoming leaders in developing innovative models of business intelligence and web technology management for business decision-making. This is achieved through data acquisition, cleaning, and exploitation, to generate relevant information that transforms into knowledge for the benefit of institutions and society.

- Applies descriptive and predictive models of business processes to design web-based technological solutions with a scientific approach.
- Manages the application of web technologies to monitor business processes and ensure product or service quality.

Modality: Online  
Campus: Puebla | RVOE Code: 20220807

### Admission Profile

#### Knowledge

- Distinguishes concepts of descriptive statistics.
- Analyzes labor-market development opportunities using a systemic approach.
- Analyzes scientific readings in English.

#### Skills

- Manages databases.
- Coordinates work teams in technological projects.
- Applies technological concepts in the workplace.

#### Attitudes/Values

- Contributes new business opportunities.
- Is committed to providing solutions for society.
- Demonstrates a service-oriented attitude.
- Shows commitment to the development of Small and Medium Enterprises (SMEs) and to the innovation of business processes through an analytical view of the environment.

#### Professional Skills

- Generates business process information through data collection, cleaning, and exploitation for corporate decision-making.

### Curriculum map

The doctoral program curriculum map comprises 19 courses organized into cores that represent the progression of the academic program. These cores are further divided into curricular lines or areas of knowledge:

- Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes one curricular line: Human Development.
- Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of two curricular lines: Web Technology and Business Intelligence.
- Elective Core.** Students may choose one of the two available lines: Web Technology or Business Intelligence.
- Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.



## Doctorate Degree in Logistics and Supply Chain Management

Educate doctoral graduates in Logistics and Supply Chain Management with an ethical and human vision, capable of developing research projects that evaluate and improve the strategic, tactical, and operational behavior of decision-making in Logistics and Supply Chain. This is achieved through the application of optimization, simulation, and statistical models and methods, with the aim of developing and implementing solutions to logistical problems in manufacturing and service organizations.

Modality: Grounded  
Campus: Puebla  
RVOE Code: SEP-SES/21/114/04/988/2013-MOD-02-2021

### Admission Profile

#### Knowledge

- Relates basic concepts of logistics and supply chain management to real problems in manufacturing and service organizations.
- Models basic decision-making problems mathematically.
- Identifies at least one programming language.

#### Skills

- Works collaboratively in multidisciplinary research environments.
- Uses technological tools for content collection, synthesis, analysis, and decision-making.
- Operates commercial optimization software.

#### Attitudes

- Respects diverse opinions, even when they differ from one's own.
- Acts responsibly in professional practice.
- Demonstrates willingness to work and conduct research.

#### Professional Skills

- Designs and/or redesigns the organizational supply chain to implement improvements in logistics processes.
- Optimizes logistics operations in the organizational supply chain to increase efficiency in company processes.
- Develops basic and applied research projects in industrial or social contexts to propose innovations in logistics and supply chain processes.
- Publishes in scientific and outreach journals to share research and generate relevant information in the field of logistics and supply chain management.

#### Curriculum map

The doctoral program curriculum map comprises 19 courses organized into cores that represent the progression of the academic program. These cores are further divided into curricular lines or areas of knowledge: **Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes one curricular line: Human Development.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of one curricular line: Logistics and the Supply Chain.

**Elective Core.** Students may choose one line from the two available: Logistical Operations or Supply Chain Risk and Resilience.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes two curricular lines: Seminars and Thesis.



## Doctorate Degree in Logistics and Supply Chain Management

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Modality: Online

Campus: Puebla | RVOE Code: 0220800

### Admission Profile

#### Knowledge

- Relates basic concepts of logistics and supply chain management to real problems in manufacturing and service organizations.
- Models basic decision-making problems mathematically.
- Identifies at least one programming language.

#### Skills

- Works collaboratively in multidisciplinary research environments.
- Uses technological tools for content collection, synthesis, analysis, and decision-making.
- Operates commercial optimization software.

#### Attitudes

- Respects diverse opinions, even when they differ from one's own.
- Acts responsibly in professional practice.
- Demonstrates willingness to work and conduct research.

#### Professional Skills

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**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of one curricular line: Logistics and the Supply Chain.

**Elective Core.** Students may choose one line from the two available: Logistical Operations or Supply Chain Risk and Resilience.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes two curricular lines: Seminars and Thesis.



## Doctorate Degree in Mechatronics Engineering

Educate doctoral graduates in Mechatronics Engineering with a human, ethical, and critical vision, capable of generating technological development with an innovative perspective through sustained and applied research in emerging technologies, to improve productive processes aligned with Industry 4.0.

- Acts with perseverance and tenacity in undertaken activities.
- Is aware of the importance of updating knowledge in mechatronic processes.

### Professional Skills

- Develops applied research focused on Industry 4.0.
- Generates emerging technological solutions to boost industrial productivity.
- Promotes technological innovations to develop sustainable processes.

### Curriculum map

The doctoral program curriculum map comprises 18 courses organized into cores that represent the progression of the academic program. These cores are further divided into curricular lines or areas of knowledge: **Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes one curricular line: Human Development.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of one curricular line: Fundamentals of Mechatronic Systems.

**Elective Core.** Students may choose one line from the two available: Intelligent Systems or Sustainable Systems.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes two curricular lines: Seminars and Thesis.

Modality: Grounded

Campus: Puebla

RVOE Code: SEP-SES/21/114/04/995/2013-MOD-02-2021

### Admission Profile

#### Knowledge

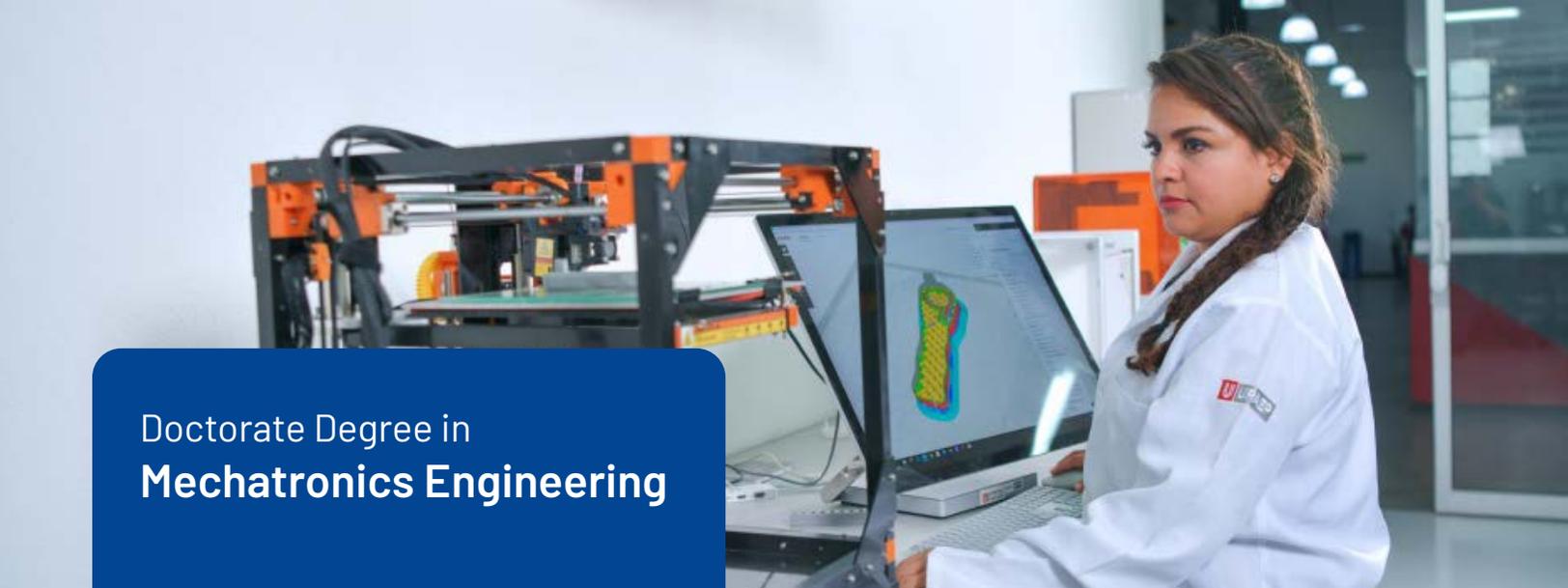
- Distinguishes the elements that make up Industry 4.0.
- Integrates design and prototype manufacturing processes.
- Analyzes new technologies developed for industry.
- Identifies decision-making parameters in the field of mechatronics.
- Recognizes structured programming models.

#### Skills

- Masters the search for information sources and specialized journals.
- Works in multi- and transdisciplinary teams.
- Proposes technological solutions to industrial problems.
- Operates scientific software and programming languages.

#### Attitudes

- Is interested in ensuring industrial processes are sustainable.
- Is committed to developing projects in alignment with societal needs.



## Doctorate Degree in Mechatronics Engineering

Educate doctoral graduates in Mechatronics Engineering with a human, ethical, and critical vision, capable of generating technological development with an innovative perspective through sustained and applied research in emerging technologies, to improve productive processes aligned with Industry 4.0.

- Is aware of the importance of updating knowledge in mechatronic processes.

### Professional Skills

- Develops applied research focused on Industry 4.0.
- Generates emerging technological solutions to boost industrial productivity.
- Promotes technological innovations to develop sustainable processes.

### Curriculum map

The doctoral program curriculum map comprises 18 courses organized into cores that represent the progression of the academic program. These cores are further divided into curricular lines or areas of knowledge: **Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes one curricular line: Human Development.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of one curricular line: Fundamentals of Mechatronic Systems.

**Elective Core.** Students may choose one line from the two available: Intelligent Systems or Sustainable Systems.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes two curricular lines: Seminars and Thesis.

Modality: Online

Campus: Puebla | RVOE Code: 20220806

### Admission Profile

#### Knowledge

- Distinguishes the elements that make up Industry 4.0.
- Integrates design and prototype manufacturing processes.
- Analyzes new technologies developed for industry.
- Identifies decision-making parameters in the field of mechatronics.
- Recognizes structured programming models.

#### Skills

- Masters the search for information sources and specialized journals.
- Works in multi- and transdisciplinary teams.
- Proposes technological solutions to industrial problems.
- Operates scientific software and programming languages.

#### Attitudes

- Is interested in ensuring industrial processes are sustainable.
- Is committed to developing projects in alignment with societal needs.
- Acts with perseverance and tenacity in undertaken activities.



## Doctorate Degree in Strategic Planning and Technology Management

Educate doctoral graduates in Strategic Planning and Technology Management with an ethical and human vision, capable of generating new knowledge in the organizational field through the use of scientific methods and applied research, to develop and implement business strategies and technological management.

Modality: Grounded

Campus: Puebla

RVOE Code: SE-SES/21/114(01/2845/2023/SIE

### Admission Profile

#### Knowledge

- Recognizes the importance of strategic planning in organizations.
- Analyzes the impact of decision-making in organizations.
- Identifies the origin of theoretical and practical problems in strategic management.

#### Skills

- Presents research proposals in the lines of engineering, business strategy, and technology management.
- Generates collaborative processes for research.
- Uses digital information in business and research projects.
- Proposes creative solutions to diverse organizational challenges.

#### Attitudes

- Assumes a responsible and ethical attitude.
- Inclines toward analytical reflection.
- Acts by fostering trust-based relationships.

### Professional Skills

- Designs strategic theories based on knowledge gaps in the discipline to contribute to organizational sustainability.
- Conducts collaborative research projects to generate knowledge about strategic tools and technology management.
- Creates innovation schemes to improve administrative, operational, or strategic processes under new technologies from a global perspective.
- Proposes innovative business strategies that generate value in organizations through technology management.

### Curriculum map

The doctoral program curriculum map comprises 19 courses organized into cores that represent the progression of the academic program. These cores are further divided into curricular lines or areas of knowledge: **Institutional Core.** Emphasizes student Education under UPAEP's profile. It includes one curricular line: Human Development.

**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of one curricular line: Strategic Planning and Technology Management.

**Elective Core.** Students may choose one line from the two available: Engineering and Business Strategies or Technology Management.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.



## Doctorate Degree in Strategic Planning and Technology Management

Educate doctoral graduates in Strategic Planning and Technology Management with an ethical and human vision, capable of generating new knowledge in the organizational field through the use of scientific methods and applied research, to develop and implement business strategies and technological management.

Modality: Online

Campus: Puebla | RVOE Code: 20220801

### Admission Profile

#### Knowledge

- Recognizes the importance of strategic planning in organizations.
- Analyzes the impact of decision-making in organizations.
- Identifies the origin of theoretical and practical problems in strategic management.

#### Skills

- Presents research proposals in the lines of engineering, business strategy, and technology management.
- Generates collaborative processes for research.
- Uses digital information in business and research projects.
- Proposes creative solutions to diverse organizational challenges.

#### Attitudes

- Assumes a responsible and ethical attitude.
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**Professional Core.** Includes specialized courses in the field that provide students with disciplinary education. It consists of one curricular line: Strategic Planning and Technology Management.

**Elective Core.** Students may choose one line from the two available: Engineering and Business Strategies or Technology Management.

**Capstone Core.** Focused on developing skills for preparing students in their final phase and graduation from the academic program. It includes one curricular line: Research.

# ACADEMIC PROGRAM PLAN



# College of Creative Sciences



**Bachelor's Degree in Advertising Strategy and Creation**



**Bachelor's Degree in Film and Audiovisual Production**



**Bachelor's Degree in Animation and Digital Arts**



**Specialty in Construction Management and Administration**



**Bachelor's Degree in Architecture**



**Specialty in Construction Management and Administration Online**



**Bachelor's Degree in Communication and Digital Media**



**Master's Degree in Innovation and Architectural Design**



**Bachelor's Degree in Communication and Digital Media / Tehuacán**



**Master's Degree in Innovation and Architectural Design Online**



**Bachelor's Degree in Design and Visual Innovation**



**Master's Degree in Strategic Communication and Innovation Management**



Master's Degree in Strategic Communication and Innovation Management Online / Semi-grounded

## College of Life and Health Sciences



Bachelor's Degree in Agronomy Engineering



Bachelor's Degree in Nutrition



Bachelor's Degree in Biotechnology Engineering



Bachelor's Degree in Veterinary Medicine and Zootechnics



Bachelor's Degree in Chemical Biology and Pharmacology



Bachelor's Degree in Physiotherapy



Bachelor's Degree in Dental Surgery



Specialty in Cardiovascular and Pulmonary Rehabilitation

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Bachelor's Degree in Environmental Engineering and Sustainable Development



Specialty in Medicine and Surgery of Dogs and Cats



Speciality in Orthodontics



Master's Degree in Clinical Nutrition



Speciality in Periodontology



Master's Degree in Clinical Nutrition Online



Specialty in Restorative Dentistry



Master's Degree in Energy Management



Specialty in Supplementation and Clinical Nutrition



Master's Degree in Energy Management Online



Specialty in Supplementation and Clinical Nutrition Online



Master's Degree in Environmental Engineering and Sustainable



Master's Degree in Biotechnology



Master's Degree in Environmental Engineering and Sustainable Online



Master's Degree in Biotechnology Online



Master's Degree in Health Sciences



Master's Degree in Healthcare Management



Doctorate Degree in Biotechnology



Master's Degree in Healthcare Management Online

## College of Medical Sciences



Bachelor's Degree in Medicine



Specialty in Anesthesiology



Bachelor's Degree in Nursing



Specialty in Clinical Laboratory Science



Bachelor's Degree in Social Work



Specialty in Clinical Pathology



Bachelor's Degree in Social Work Online



Specialty in Critical Care Medicine



Specialty in Critical Care Nursing



Specialty in Internal Medicine



Specialty in Diagnostic and Therapeutic Imaging



Specialty in Maternal and Perinatal Health Nursing



Specialty in Emergency Nursing



Specialty in Neonatal Nursing



Specialty in Family Medicine



Specialty in Nephrology



Specialty in Gastroenterology



Specialty in Ophthalmology



Specialty in General Surgery



Specialty in Pediatric Nursing



Specialty in Hematology



Specialty in Surgical Nursing



Specialty in Surgical Oncology



Master's Degree in Nursing Science



Specialty in Urology



Master's Degree in Public Health



Specialty in Wound Care and Vascular Access Nursing

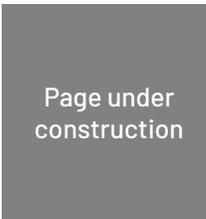


Master's Degree in Public Health Online

## College of Humanities and Social Sciences



Bachelor's Degree in Economics



Bachelor's Degree in Humanities and Cultural Management



Bachelor's Degree in Educational Innovation Online



Bachelor's Degree in International Relations



Bachelor's Degree in Family Sciences Online



Bachelor's Degree in Languages, Teaching, and Cultural Diversity



Bachelor's Degree in Law



Bachelor's Degree in Psychology



Bachelor's Degree in Law Tehuacán



Bachelor's Degree in Psychology Online



Bachelor's Degree in Law Online



Bachelor's Degree in Psychology Semi-grounded



Bachelor's Degree in Pedagogy and Educational Innovation



Specialty in Digital Teaching



Bachelor's Degree in Philosophy



Master's Degree in Healthcare Management



Bachelor's Degree in Philosophy Online



Master's Degree in Applied Economics



Bachelor's Degree in Political Science



Master's Degree in Applied Economics Online

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Master's Degree in Christian Social Leadership Online



Master's Degree in Education Online Puebla



Master's Degree in Cognitive Behavioral Psychotherapy



Master's Degree in Education and Human Development



Master's Degree in Constitutional Law and Amparo



Master's Degree in Education and Human Development Online



Master's Degree in Constitutional Law and Amparo Online



Master's Degree in Education Research



Master's Degree in Constitutional Law and Amparo Tehuacán



Master's Degree in Education Research Online



Master's Degree in Criminal Law Tehuacán



Master's Degree in Educational Innovation Online



Master's Degree in Education Tehuacán



Master's Degree in Educational Technology



**Master's Degree in Educational  
Technology Online**



**Master's Degree in Leadership and  
Educational Management**



**Master's Degree in Family  
Orientation and Development**



**Master's Degree in Leadership and  
Educational Management Online**



**Master's Degree in Family  
Orientation and Development  
Online**



**Master's Degree in Mathematics  
Education**



**Master's Degree in Family Sciences  
Online**



**Master's Degree in Mathematics  
Education Online**



**Master's Degree in Historical  
Studies**



**Master's Degree in Pastoral  
Innovation Online**



**Master's Degree in Language  
Teaching and Interculturality**



**Master's Degree in Pedagogy**



**Master's Degree in Language  
Teaching and Interculturality  
Online**



**Master's Degree in Pedagogy  
Online**



Master's Degree in Political Science and Public Management



Doctorate Degree in Education - Research Doctorate



Master's Degree in Tax Law



Doctorate Degree in Legal Sciences, Politics and Government - Research Doctorate



Master's Degree in Work and Organizational Psychology



Doctorate Degree in Legal Sciences, Politics and Government - Research Doctorate Online



Master's Degree in Work and Organizational Psychology Online



Doctorate Degree in Social Philosophy - Research Doctorate



Master's Degree in Work and Organizational Psychology Tehuacán



Doctorate Degree in Social Philosophy - Research Doctorate Online

## College of Business



Bachelor's Degree in Accountancy and Senior Management



Bachelor's Degree in Business Administration



**Bachelor's Degree in Business Administration Tehuacán**



**Bachelor's Degree in Hospitality Management Tehuacán**



**Bachelor's Degree in Business Administration Online**



**Bachelor's Degree in International Trade and Logistics Online**



**Bachelor's Degree in Business Intelligence**



**Bachelor's Degree in International Trade and Strategy**



**Bachelor's Degree in Business Logistics**



**Bachelor's Degree in Marketing**



**Bachelor's Degree in Financial and Stock Market Management**



**Bachelor's Degree in Marketing Online**



**Bachelor's Degree in Gastronomy**



**Bachelor's Degree in Public Accounting Tehuacán**



**Bachelor's Degree in Hospitality and Tourism Management**



**Bachelor's Degree in Public Accounting Online**



Master's Degree in Administration



Master's Degree in Management and Marketing



Master's Degree in Administration and Strategic Management Online



Master's Degree in Management and Marketing Online



Master's Degree in Finance Tehuacán



Master's Degree in Marketing and Digital Commercialization Online



Master's Degree in Global Strategic Management



Master's Degree in Taxation Tehuacán



Master's Degree in Global Strategic Management Online



Doctorate Degree in Management and Finance - Professional Doctorate



Master's Degree in Management and Finance



Doctorate Degree in Management and Finance - Professional Doctorate Online



Master's Degree in Management and Finance Online



Doctorate Degree in Management and Marketing - Professional Doctorate



Doctorate Degree in Management and Marketing - Professional Doctorate Online



Doctorate Degree in Organizational Management - Professional Doctorate Online



Doctorate Degree in Organizational Management - Professional Doctorate

## College of Engineering



Bachelor's Degree in Aerospace Engineering



Bachelor's Degree in Computer Science and Systems Engineering



Bachelor's Degree in Automotive Design Engineering



Bachelor's Degree in Data Science



Bachelor's Degree in Bionics Engineering



Bachelor's Degree in Industrial Engineering



Bachelor's Degree in Civil Engineering



Bachelor's Degree in Industrial Chemistry Engineering



**Bachelor's Degree in Industrial Project Engineering Online**



**Master's Degree in Data Science and Business Intelligence**



**Bachelor's Degree in Mechatronics Engineering**



**Master's Degree in Data Science and Business Intelligence Online**



**Bachelor's Degree in Software Engineering**



**Master's Degree in Integrated Manufacturing Systems and Quality Strategies**



**Specialty in Construction Risk Engineering**



**Master's Degree in Logistics and Supply Chain Management**



**Specialty in Construction Risk Engineering Online**



**Master's Degree in Logistics and Supply Chain Management Online**



**Master's Degree in Construction Risk Engineering**



**Master's Degree in Mechatronics Engineering**



**Master's Degree in Construction Risk Engineering Online**



**Master's Degree in Mechatronics Engineering Online**

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**Master's Degree in Strategic Planning and Technology Management**



**Doctorate Degree in Logistics and Supply Chain Management- Research Doctorate Online**

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**Master's Degree in Strategic Planning and Technology Management Online**

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**Doctorate Degree in Mechatronics Engineering - Research Doctorate**



**Doctorate Degree in Information Technology - Professional Doctorate**

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**Doctorate Degree in Mechatronics Engineering - Research Doctorate Online**



**Doctorate Degree in Information Technology - Professional Doctorate Online**



**Doctorate Degree in Strategic Planning and Technology Management - Research Doctorate**



**Doctorate Degree in Logistics and Supply Chain Management- Research doctorate**



**Doctorate Degree in Strategic Planning and Technology Management - Research Doctorate Online**



LA CASA DE BASQUETBOL EN EL NIÑO DE LA



UPAEP



