

Face-to-face distance education

MISSION AND VISION OF THE COMPUTER SYSTEMS ENGINEERING CAREER

-COMPUTER SYSTEMS ENGINEERING EDUCATIONAL OBJECTIVES
PERFORMANCE CRITERIA
PERFORMANCE INDICATORS

-GRADUATION PROFILE OF THE COMPUTER SYSTEMS ENGINEERING IN THE EPAD MODALITY.

EPAD MISSION

Distance Education is a comprehensive model of quality that offers Technological Higher Education, guaranteeing a humanistic technical training, with the capacity to research, develop and apply technology with an impact on the development of society.

EPAD VISION

To be a model of Distance Education recognized nationally and internationally for its academic and educational quality, for its achievements in the training of outstanding professionals in the fields of research, innovation, and technological development, impacting regional development.



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COMPUTER SYSTEMS ENGINEERING

MISSION

To train professionals in computer systems engineering, through a comprehensive quality educational model, through the modality of On-site and Distance Education, which guarantees a humanistic technical training, with the capacity to investigate, administer, undertake, and apply technology with an impact on the development of society.

VISION

To be one of the best career options in the region, with high recognition at national and international level for the quality of its graduates in the fields of research, innovation, administration, entrepreneurial vision and technological development, contributing to the Regional, National and International strengthening."



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No.	Educational Objective (OE)	Performance Criteria (CD)	Performance Indicator (ID)
1	Graduates are able to use the skills acquired from the computer systems engineering program when implementing and developing technological-programmable solutions in the needs that arise in their job and that help the development and growth of the companies where they are used.	Graduates participate productively in the development of technological solutions in the various areas of the companies where they work.	% of graduates who occupy positions related to their career, such as director, deputy director, coordinator, technician in the areas of computer science and systems or other position related to their career.
2	Graduates develop an entrepreneurial vision and thereby generate their own products, companies and be future employers by developing technological projects thus being suppliers in the world of technology.	Graduates create ventures within the area of consulting, maintenance, support or development of software and technology related to their profession.	% of graduates who generate entrepreneurship within the performance criteria.
3	Graduates have a constant interest in growth in their work, professional and personal skills.	Graduates actively participate in the professional updating of areas related to their profession.	% of graduates who acquired and improved their skills through diplomas, certifications, courses and trainings. % of graduates who studied or are studying a postgraduate degree.
4	Graduates are able to be leaders in collaborative groups from national and international companies.	Graduates actively participate in managerial areas, coordination, supervision or with personnel in their charge.	% of graduates who are in management positions.



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GRADUATION PROFILE

- Design, configure and manage computer networks applying current norms and standards.
- Develop, implement, and manage systems or application software that meets quality standards to support the productivity and competitiveness of organizations.
- Coordinate and participate in interdisciplinary projects.
- Design and implement human-machine and machine-machine interfaces for system automation.
- Identify and understand hardware technologies to propose, develop and maintain efficient applications.
- Design, develop and manage databases according to defined requirements, organizational standards of management and information security, using emerging technologies.
- Integrate computational solutions with different technologies, platforms, or devices.
- Develop a business vision to detect areas of opportunity that allow you to undertake and develop projects applying information and communication technologies.
- Carry out their professional activities considering the legal, ethical, social, and sustainable development aspects.
- Possess methodological research skills that strengthen cultural, scientific, and technological development in the field of computer systems and related disciplines.
- Select and apply mathematical tools for the modeling, design, and development of computer technology.



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