

Computer Science in Software Development



Descripción de la carrera

The Computer science in software development career prepare mid-level technicians in with knowledge, skills, and competencies about technologies in aspects as hardware, software, Internet, databases, specialized systems of information and connectivity with mobile equipment; use different programming languages in different working atmospheres and to develops applications using object-oriented programming principles, also to designs web sites for the publication of information on the Internet.



**Comercial
y Servicios**



Computer Science in Software Development



Once concluded the program, the student will be able to:

- 1 Apply the fundamental concepts related to occupational health in the field of information technology.
- 2 Apply marketing principles in software design.
- 3 Apply rules of effective coexistence in the sphere of the national productive sector.
- 4 Create and maintain small databases, as a tool to improve work.
- 5 Develop programs with a low level of complexity using both the fundamental structures and the syntax of a language oriented to structured programming.
- 6 Design simple websites for the publication of information on the Internet, based on basic technical standards.
- 7 Distinguish concepts, characteristics and operation of different data structures.
- 8 Manage and develop IT projects.
- 9 Implement different data structures as a tool for solving specific problems.
- 10 Implement different applications typical of element-oriented programming in a certain language.
- 11 Select different operating systems with their technical characteristics.
- 12 Use algorithms and flowcharts to solve specific problems.
- 13 Use the basic tools and functions of structured programming in proposing efficient solutions to specific problems.
- 14 Use the tools and services available on the Internet to access and manipulate information.
- 15 Use services to install and configure connectivity options between different mobile devices.