

MS Information Systems Learning Objectives

Student learning objectives covers the aspects of telecommunications requirements necessary to support an organization's information technology needs, managerial aspects of an information technology organization, system development process, data needs of an organization, programming concept, collaboration, research, and communication skills. Each learning goal is described below:

- Telecommunications requirements necessary to support an organization's information technology needs –the ability to assess the telecommunications needs of an organization; the ability to supervise the development of a local or wide area data and communications network; the ability to use the Internet in support of operations, the ability to select the appropriate telecommunications hardware and software.
- Managerial aspects of an information technology organization - get familiar with the terminology and basic principles of business information systems, and the Internet; understand Ethical issues; Global issues; Political, social, legal, regulatory and environment issues; Technology issues; and Impact of demographic diversity on organizations.
- Systems development process – the ability to analyze the information systems needs of an organization; the ability to design an information system to serve the needs of an organization.
- Data needs of an organization – the ability to design a database system to serve the needs of an organization; the ability to select appropriate software to operate a database system.
- Programming concepts – the ability to write a computer program using the fundamental concepts of programming; the ability to document a program; the ability to select a particular computer language for a programming application.
- Collaboration – the ability to work productively in a team or collaborative setting to achieve common goals.
- Research – the ability to conduct, evaluate, and synthesize research and apply theoretical ideas to practical settings.
- Communications – the ability to effectively present ideas in a logical framework in a variety of forms with proper language structure and mechanics.