Telecommunications Technology

Telecommunications is any process that enables one or more users (persons or machines) to pass to one or more other users, information. This information may be delivered in any usable form, by wire, radio, visual, or other electrical, electromagnetic, optical, acoustic, or mechanical means. Telecommunications can be treated in terms of voice services, data services, or integrated services.

The worldwide telecommunications industry is currently growing at 10% to 15% per year. As the established leader for new telecommunications technologies, products, and services, the United States accounts for nearly one half of this global market. Because businesses expend a large share of the dollars that create the market, business people have a vital need for knowledge that permits them to select the array of services providing the fastest benefit and competitive advantage at the lowest cost.

To succeed in today's workplace, people must be able to exchange information quickly and accurately. Job content is therefore increasingly influenced by telecommunications. Required business management skills now include knowledge of available telecommunications services, their applications to changing organizational needs, the ability to work with technical professionals, and the expertise to acquire and use telecommunications services efficiently and cost-effectively.

Over the past decade, U.S. business telecommunications usage has grown at an unprecedented rate. At the same time, sweeping regulatory changes and the rapid development of new technologies have created so many options that merely remaining abreast of developments has become a major managerial challenge.

Hence, the growing need for telecommunications professionals