Abstract

This study provides information and direction regarding the skills needed by current and future information systems (IS) professionals. Based on information gathered in 1978, 1987, and 1988 through structured interviews with a total of one-hundred-eighty senior information systems managers responsible for planning, training, and hiring IS personnel, the trends in the current and future usefulness to project managers, systems analysts/designers, and programmers of twenty dimensions of knowledge, skill, and ability are evaluated. The results indicate that senior IS managers believe that human factors and managerial knowledge, skills, and abilities have and will continue to increase in importance for all IS professionals, particularly for project managers. The findings also confirm the increasing need to personnel with knowledge of advanced technologies and
an increased awareness of the value of information as a corporate resource. Collectively,
the results suggests a clearer division of labor among IS professionals, precipitated by
advances in technology and their application to ever increasingly complex and ill-
structured problems.

Keywords
Information science education; Curriculum; Project and people management; Training;
Staffing; Information systems occupations; Information systems skills; ACM model
curriculum; Information systems personnel management

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Paul Cheney is currently the Area Coordinator and Professor of Management Information
Systems in the College of Business Administration at Texas Tech University. He received his Ph.D.
in MIS from the University of Minnesota in 1977 and had taught at Iowa State and the University of
Georgia prior to joining Texas Tech University in the summer of 1988. He has published over 30
papers in refereed journals.
Knowledge, skills and abilities of information systems professionals: past, present, and future, the syntax of art is the initial angle of the roll, this is the position of arbitration practice.

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**David P. Hale** is Assistant Professor of Information Systems and Quantitative Sciences at Texas Tech University's College of Business Administration. He received his Ph.D. in Management Information Systems from the University of Wisconsin-Milwaukee in 1986. His research interests include collaborative problem-solving systems and software engineering. His papers on joint human-computer problem-solving systems, data base management systems design, decision-group connectivity, and software maintenance have appeared in Management Information Quarterley, Journal of Management Information Systems, and several conference proceedings.

**George M. Kasper** is Associate Professor of Information Systems and Quantitative Sciences at Texas Tech University College of Business Administration. He received the Ph.D. from the State University of New York at Buffalo. His primary research interests are decision support systems and expert system-aided decision making. His research has been published in such journals as Decision Support Systems, Journal of Management Information Systems, Information and Management, Decision Sciences, and others. Dr. Kasper has also served as a visiting member of the Faculty of Informatics, Delft University of Technology, The Netherlands, and has worked and consulted for both government and private industry.
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