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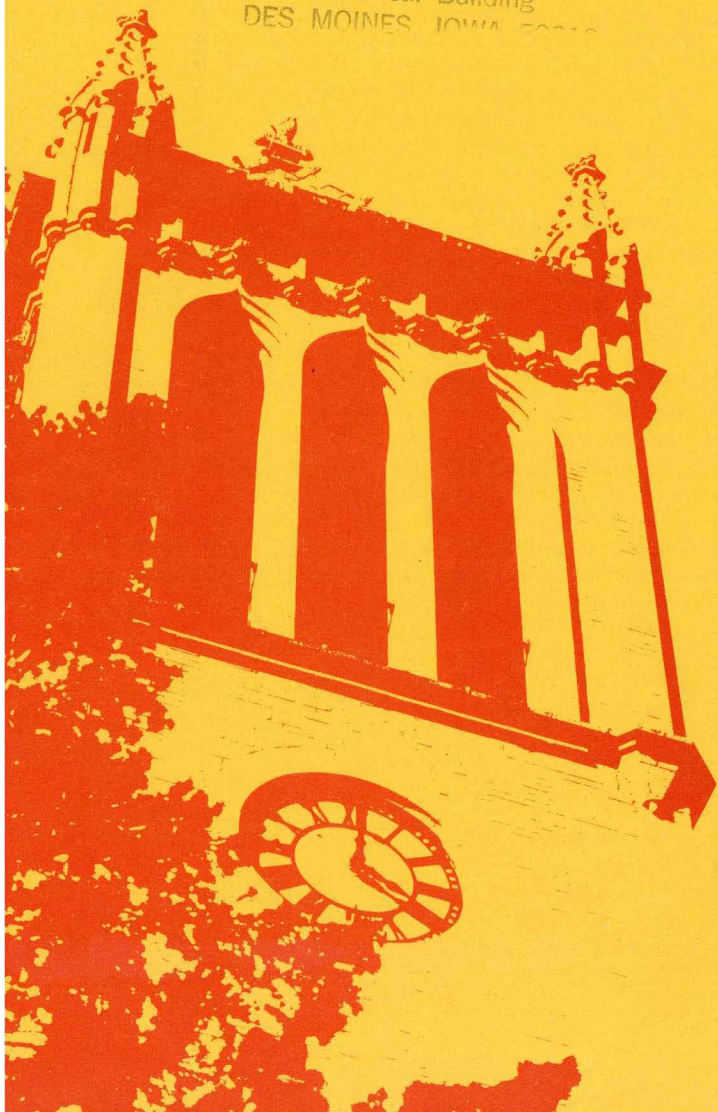
1980/81

**Master of Science in
Public Administrative Sciences**

Business Program

Iowa State University Ames, Iowa 1980-1981

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General Description of the Program

The demand for managers who are able to organize, lead, and inspire will continue into the indefinite future. Although methods of developing managerial talent may vary, there is agreement that the process should be designed in a manner allowing individuals to cope with future problems of an unknown nature in this ever-changing world. Thus, the training process must be innovative and forward looking.

Recognizing this need, Iowa State has developed a new and exciting approach to graduate business education. The Master of Science in Industrial Administrative Sciences (IAS) is an interdepartmental program administered by the cooperating departments of Economics, Industrial Administration, Industrial Engineering, and Statistics. Each department has a specific area of expertise that contributes to the development of the complete business manager. In addition to studying the functional areas of business, the student will learn skills provided by quantitative methods and gain an appreciation of environmental surroundings. Furthermore, the future manager is allowed considerable latitude in self-development through the program's elective component.

Although the curriculum is oriented toward developing managers for all types of profit or nonprofit organizations, it may also be used as a basis for additional graduate study. Applicants need not have taken an undergraduate major in business or a related area. However, they are encouraged to obtain background in some of the following: calculus, statistics, accounting, marketing, finance, transportation, management, economics, industrial engineering, sociology, and psychology.

Overall control is vested in the Supervisory Committee. It consists of a representative from each of the cooperating departments. Members are as follows:

David B. Vellenga, chairman,
Industrial Administration

Keith L. McRoberts, Industrial Engineering

William Q. Meeker, Jr., Statistics

Dennis R. Starleaf, Economics

Degree Requirements

Students majoring in industrial administrative sciences will choose a major professor from the graduate faculty of industrial administrative sciences. The student's program of study will be developed with the guidance of an advisory committee selected by the student and the major professor, approved by the chairman of the Industrial Administrative Sciences Supervisory Committee, and appointed by the dean of the Graduate College.

The program total of 51 quarter credits includes work in the areas of human resource management; quantitative methods; economics and the business environment; applications (accounting, finance, marketing, physical distribution, and production); business policy (management); and electives. Foreign language is not required. The program agreed upon by the student and his or her committee shall include a sufficient number of 500 and 600 level courses consistent with quality graduate work on the master's level. Although the degree is a nonthesis one, a written report (creative component) is required of each student. This is accomplished by taking a minimum of 3 credits in special topics from one of the cooperating departments. *The student will be required to take a final oral over the creative component and general course of study.*

Financial Support

Graduate Assistants

Financial assistance is available to students with superior qualifications through assistantships provided by the Graduate College, the Department of Industrial Administration, and related sources. Both the Graduate College and Industrial Administration provide funds for research assistantships (RA). Industrial Administration also provides funds for teaching assistants (TA) and administrative assistants (AA). In addition, RA's are awarded to students who work on research projects that are funded by grants administered by individual faculty members responsible for the projects.

Assistantships usually require half-time service to the University but may vary somewhat from this standard. One-half time service means 20 hours per week for an RA or AA and 6 weekly classroom teaching credits for a TA. The basic stipend for a half-time appointment in 1980-81 will range from \$425 to \$600 per month. The determining factors are individual qualifications and experience.

Graduate assistants holding an appointment base of one-fourth time or more are assessed resident fees. In addition, a Graduate College scholarship covering a portion of the resident fee is provided each assistant. The amount of this scholarship, which has an upper limit of \$158 per quarter, varies with the student's appointment base.

PACE Award

The Graduate College sponsors the *Premium for Academic Excellence* (PACE) Award program for entering graduate students with outstanding academic records. This cash award is equivalent to half the resident fees and may extend over either a 1-year or 2-year period. The student need not be on a graduate assistantship to be nominated for a PACE Award.

Nominations are submitted by the IAS Supervisory Committee to the PACE Award Committee. Award recipients usually have had an undergraduate grade point average of 3.5 or better on a 4.0 scale.

College Work-Study Program

Financial assistance may be granted on the basis of need through the College Work-Study Program. The program is administered by the Student Financial Aids Office with work and partial funding provided by the Department of Industrial Administration. Student Financial Aids determines qualification and the extent of financial assistance.

Placement

The services of the College of Engineering and College of Sciences and Humanities placement offices are available to graduates of IAS. During 1979-80 several hundred companies, representing every major industry and geographical section of the United States, visited Iowa State. The administration of IAS maintains continuous liaison with both placement offices as a means of assisting students seeking employment in industry and allied fields.

Admission

Approval will be granted to begin graduate study at the start of any term. However, completed applications should be submitted approximately 3 months prior to the date of requested entry. To be eligible for admission, a student should (1) have an undergraduate degree from a regionally accredited university or college, (2) rank in the upper half of his or her graduating class, (3) submit scores on the Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE), and (4) submit 3 completed recommendation forms. Details on taking the GMAT may be secured from the Educational Testing Service, Box 966, Princeton, New Jersey 08540. GRE information may be secured from the same service by using Box 955. Blank recommendation forms will be sent by Iowa State University with application material.

Procedure for Application

(1) Request a Graduate College Catalog and application forms from the Director of Admissions, Beardshear Hall, Iowa State University 50011. (2) Send completed application forms and required transcripts back to the Director of Admissions. (3) Three recommendation forms, received with application material, should be distributed to persons who can evaluate your potential for graduate study in business and who, in turn, will mail the completed form directly to the below-named professor. (4) Ask the Educational Testing Service to direct GMAT or GRE scores to the same person.

You also are encouraged to advise Dr. Vellenga of your pending application, attaching a description of your motives for seeking graduate study.

For general questions not covered in this brochure, direct any inquiry to:

Dr. David Vellenga
Industrial Administrative Sciences
314 Carver Hall
Iowa State University
Ames, Iowa 50011
Telephone (515) 294-8118 or (515) 294-3656.

Faculty

Allen Benjamin J., associate professor of industrial administration. Ph.D., Illinois
Berger, Roger W., associate professor of industrial engineering. Ph.D., Oklahoma State
Cheney, Paul H., associate professor of industrial administration. Ph.D., Minnesota

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- Classen, Ronald J.**, assistant professor of industrial engineering. Ph.D., Arkansas
- Cowles, Harold A.**, professor of industrial engineering. Ph.D., Iowa State
- David, Herbert T.**, professor of statistics; professor of industrial engineering. Ph.D., Chicago
- Elvik, Kenneth O.**, associate professor of industrial administration. Ph.D., Nebraska
- Gardner, Roy J.**, assistant professor of economics. Ph.D., Cornell
- Groeneveld, Richard A.**, professor of statistics. Ph.D., Boston University
- Handy, Charles B.**, professor of industrial administration and chairman of the department. CPA; Ph.D., Iowa State
- Lamp, George E., Jr.**, associate professor of industrial engineering. Ph.D., Iowa State
- Loudenback, Lynn J.**, professor of industrial administration. D.B.A., Washington
- Luckett, Dudley G.**, professor of economics. Ph.D., Texas
- Maydew, Gary L.**, assistant professor of industrial administration. Ph.D., Illinois
- McElroy, James C.**, assistant professor of industrial administration. Ph.D., Oklahoma State
- McRoberts, Keith L.**, professor of industrial engineering and chairman of the department. Ph.D., Iowa State
- Meeker, William Q., Jr.**, associate professor of statistics. Ph.D., Union (Schenectady)
- Millard, Cheedle W.**, associate professor of industrial administration. Ph.D., Nebraska
- Smith, Clifford E.**, professor of industrial engineering. Ph.D., Iowa State
- Smith, Gerald W.**, professor of industrial engineering. Ph.D., Iowa State
- Starleaf, Dennis R.**, professor of economics. Ph.D., Vanderbilt
- Stover, Roger D.**, associate professor of industrial administration. D.B.A., Virginia
- Tamashunas, Victor M.**, professor of industrial engineering. M.S., Iowa State
- Teas, Roy K.**, associate professor of industrial administration. Ph.D., Oklahoma
- Thompson, A. Frank, Jr.**, assistant professor of industrial administration. Ph.D., Nebraska
- Thompson, William H.**, professor of industrial administration. Ph.D., Iowa State
- Vellenga, David B.**, associate professor of industrial administration. Ph.D., Pennsylvania State
- Voorhees, Roy D.**, assistant professor of industrial administration. M.B.A., George Washington
- Zober, Martin**, professor of industrial administration. Ph.D., Pittsburgh

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