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DAYTON, Ohio, February 3, 1972 --- The School of Engineering at the University of Dayton, through its Department of Industrial & Systems Engineering, has joined with the College of Arts & Sciences to establish the degree of Bachelor of Science with a major in Systems Science. The announcement, which was made jointly by Dr. Maurice Graney, Dean, School of Engineering, and Dr. Leonard Mann, S.M., Dean, College of Arts & Sciences, said that the program would be administered by the College of Arts & Sciences with the Department of Industrial & Systems Engineering faculty serving as academic advisor to all students in the program.

The new program will be implemented in the fall for the 1972-73 school year.

The Department of Industrial & Systems Engineering has been broadening the scope of its operation and curriculum over the past several years. Formerly the Department of Industrial Engineering, the division has been awarding and will continue to award the professional degree, Bachelor of Industrial and Systems Engineering.

The new program, which will take an interdisciplinary approach, was designed by Dr. Merle Schmid, Chairman, Department of Industrial & Systems Engineering. It is his feeling that the engineer is not merely an individual who concentrates solely on systems, machines and organizations. The engineer, he feels, must be people-oriented, creative and imaginative. He should strive for interaction between people and, Dr. Schmid says, "What better time than in college to bring the cooperation to fruition."

For that reason, he says, it is important that engineers bring into their field others who also have an interest in the social sciences, business, physical sciences, education and technology.

"The Industrial & Systems engineer and the systems scientist must be concerned primarily with the effect his decisions will have in accomodating people," Dr. Schmid reasons. "Through these two degree programs, the Industrial & Systems engineers and his systems science counterpart can touch 'all walks of life'."

He noted that both degrees prepare the student in concepts and techniques that are typically used in large systems such as: air traffic control, health care delivery system in a city, government operations, and transportation in the industrial, commercial and professional fields. "When you look at the industrial and systems engineer and scientist from this position," he says, "you can understand the impact these men and women can have on society as a whole."

The professional degree, Bachelor of Industrial & Systems Engineering, meets all the requirements for professional accreditation in engineering. Students aspiring to this degree must, first of all, be engineers and must be interested in the application of knowledge to practical problems. He must have the capabilities for dealing with complex unstructured problems in behaviorial as well as technological areas.

The systems science program uses the interdisciplinary approach. Students major in Industrial & Systems Engineering and take supporting courses in fields relating to their particular interests. Systems Science is concerned with the design control and operation of large scale complex processes or service delivery systems. It prepares the student to use applied mathematics in solving real-world problems. The program is extremely flexible. The principal constraint in selection of electives is that a student select courses that are relevant to his overall program and pertinent to achieving his educational and professional goals. The interdisciplinary approach employed in this Systems Science Program is the path many educators are taking today and they feel it is the proper approach.

For information call or write the Admissions Office, University of Dayton, Dayton, Ohio 45409, 229-4411.