

# Industrial engineering department

Establishment of a Department of Industrial Engineering as a new department within the College of Engineering of the University has been approved by the University's Board of Curators. Effective September 1, 1958, the University will offer for the first time a degree of Bachelor of Science in Industrial Engineering.



Dr. Robert Eastman

Dr. Robert M. Eastman, professor of mechanical engineering who has also been in charge of the Industrial Engineering Option in the Department of Mechanical Engineering, is to be in direct charge of the new department.

The Industrial Engineering Option in the Mechanical Engineering Department will be discontinued as a result of setting up the new department. Under the option qualified students who were especially interested in the industrial aspects of mechanical engineering were permitted to specialize in industrial engineering courses, receiving a degree of Bachelor of Science in Mechanical Engineering.

The new department will bring to six the number of professional engineering departments in the University College of Engineering. The other five are Agricultural, which is also connected with the College of Agriculture, Chemical, Civil, Electrical and Mechanical. In addition, the Engineering Experiment Station for investigation of problems of scientific or engineering interest, is a division of the College.

The new department is now in process of being organized for the coming fall semester, and a curriculum has already been prepared. Requirements for the junior and senior years of work toward a B.S. in Industrial Engineering as presently planned, "shall consist of a solid core of basic engineering courses cutting across other engineering disciplines, and a major program concentrated in the field of Industrial Engineering."

Fourteen courses are listed under those for basic engineering, for a total of 30 credit hours; fifteen required major area courses are listed, for 44 credit hours, with humanistic-social courses for a total of 12 hours also required in the major area. The requirements for the B.S. degree in Industrial Engineering will be 138 hours.

Dean Huber O. Croft of the College of Engineering said that a constantly growing demand for engineering graduates in employment with manufacturing companies, as consulting industrial and management engineers, and in various phases of engineering production and research, has pointed up the desirability of adding a department of Industrial Engineering to the University's facilities. He said that the faculty of

the College "is extremely gratified to learn that the President and the Board of Curators have authorized the College of Engineering to grant the new degree of Bachelor of Science in Engineering for satisfactory completion of their requirements.

"The expansion of Missouri industries and present efforts to promote still more industrial expansion in the state justifies a greater interest in the fields of manufacturing and engineering administration by the College," he continued. "We are confident that many young men from this State will find that the engineering background to be made available by our State University will open for them more opportunities within their state, in the field of industrial engineering.

"I feel, furthermore, that the College of Engineering is extremely fortunate in having such an experienced industrial engineer as Dr. Eastman to be in direct charge of the new educational program."

Dr. Eastman, who has been on the University faculty since 1955, received his A.B. degree from Antioch College, Yellow Springs, Ohio, in 1940; his M.S. degree, in industrial engineering, from Ohio State University; and his Ph.D. degree, also in industrial engineering, from Pennsylvania State University.

From 1955 to 1957 Dr. Eastman was Director of Engineering Placement with the University in addition to his teaching duties.

Before coming to Missouri he was associate professor of industrial engineering and Engineering Experiment Station Research Associate at the Georgia Institute of Technology in 1951-55; instructor in industrial engineering at Pennsylvania State University, 1948-51; assistant instructor of engineering drawing, Ohio State University, 1947-48; First Lieutenant with the U. S. Army Air Corps, Aviation Ordnance, 1942-46; in purchasing with Steel Products Engineering Co., 1941-42; and junior accountant, Haskins and Sells, certified public accountants, 1938-41.

He also has had considerable experience as an engineer and accountant in summer or part time employment.

Dr. Eastman is the author of a number of papers in his field that have appeared in professional publications. He is a member of the American Institute of Industrial Engineers, serving as business manager of *Journal of Industrial Engineering*, 1952-55; as a member of the association Editorial Board, 1955; and as chairman of the Publication Co-ordination Committee, 1956. He also is a member of the American Society for Engineering Education, Industrial Engineering and Engineering Economy Division, Alpha Pi Mu, Tau Beta Pi, Alpha Phi Omega, and Pi Tau Sigma.

The new department chairman also had a leading part in founding a student branch of the American Institute of Industrial Engineers at the University of Missouri in April.