

FROM University Relations
The University of Toledo

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July 16, 1965

FOR RELEASE UPON RECEIPT

Courses leading to the doctor of philosophy degree in mathematics and in physics will be offered by The University of Toledo's College of Arts and Sciences beginning with the Fall, 1965 semester.

This was made possible when the Ohio Board of Regents, at a meeting July 16, gave their approval to a proposal for the doctoral degree programs submitted by the University last May. Dr. William S. Carlson, TU president, attended the meeting held in Columbus.

The College of Arts and Sciences is the second college at TU to offer a doctoral degree program. The first was undertaken by the College of Education in 1959 and the first doctor of education degree was awarded at TU in 1962. Since then seven additional doctoral degrees have been conferred.

Dr. Jerome W. Kloucek, dean of the College of Arts and Sciences, said that these particular areas were selected because of a state of readiness in the departments of mathematics and physics and also because they are especially suited to the present needs and resources of the nation, state and local Toledo community.

The increase in doctoral degree programs at TU represents a maturing of the University, Dean Kloucek said. He added that these programs will enable TU to attract a stronger faculty which will in turn benefit the undergraduate program and provide the Toledo community with qualified scholars for consultation.

In addition, these programs will make the University eligible for

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more research grants and will aid future developments at the graduate level in engineering, computation, chemistry, geology and the biological sciences, he said.

In general, work for the Ph.D. takes a minimum of three years of full-time study and research beyond the bachelor's degree with a substantial proportion spent in independent research leading to a doctoral dissertation. Normally a total of 90 hours including credit for the dissertation is required beyond the bachelor's degree. Approximately 30 hours of this total are allotted to the master's degree and 60 to the doctoral degree.

Graduate courses will be offered by the physics department in such areas as solid state physics, nuclear physics and astrophysics (science of the physical properties and phenomena of the stars). Because Toledo is the home of a large glass industrial complex, the field of noncrystalline solid materials will also be studied.

The mathematics department will offer programs in both pure and applied mathematics. Graduate courses will include offerings in the areas of abstract algebra, differential geometry and numerical analysis.