

# Engineering

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The Doctor of Philosophy in Engineering program is designed to provide the engineering student with a unique opportunity to contribute to the advancement of the engineering profession.

The program addresses the engineering profession's need for mature minds that can translate basic knowledge into practical solutions to the engineering problems associated with our rapidly changing environment. This is accomplished through a unique integration of engineering science within a basic area of concentration.

The Ph.D. program is characterized by an interdisciplinary approach to engineering. Individual doctoral programs for agricultural and biosystems engineering, civil engineering, electrical and computer engineering, industrial and manufacturing engineering, and mechanical engineering provide students with both general knowledge and in-depth understanding of one major area of concentration. Students are able to develop individualized programs of study that emphasize different areas of interest.

Each individualized program consists of three functional areas. The first includes coursework considered to be of special importance to the student's primary progression of study. Second is the concentration area, including specialized coursework contributing to that area. The student's dissertation makes up the third segment of the Ph.D.

## Admission Requirements

Contact the College of Engineering for more information.

In consultation with the adviser and student's supervisory committee a Plan of Study would be developed. The Doctor of Philosophy in Engineering program requires the completion of 90 credit hours of graduate study beyond the baccalaureate degree with an overall GPA of 3.0 or higher.