

NUCLEAR ENGINEERING (PH.D.)

Doctor of Philosophy. Major in Nuclear Engineering.

General Ph.D. requirements apply. Preliminary screening of candidates and program planning for those admitted are essential features of the Ph.D. program. Early in the program, the student must complete a qualifying examination, which will be oral and possibly written. The preliminary examination is taken after most of the course work is completed. This examination is generally limited to the areas of emphasis indicated by the student's dissertation topic and includes a presentation of the dissertation proposal; it will be written and oral. No foreign language is required; however, the program does require a satisfactory level of achievement in mathematics and numerical analyses and in computer programming.

1. Students will be effective nuclear engineers capable of utilizing existing research as the basis for making sound decisions to carry an engineering project from through the conceptual, design, and implementation phases and perform original scholarly work that considers the impact of the application of both new and existing research on society.
2. Students will act in a collegial manner, striving to add value to learning experiences, to project teams, and to the larger organization in which they work. They should be very aware of safety and environmental impacts caused by actions taken. They should be able to use resources wisely and responsibly.