The nuclear industry expanded rapidly in the 1960s and early 1970s and during that time hired thousands of engineers and scientists. Now those people are approaching retirement age, and the nuclear industry needs to replace them. Electric utilities, national laboratories, and government regulatory agencies need both nuclear engineers and scientists and engineers in other fields who also have some knowledge of nuclear technology. Because so many senior people are retiring, there will be many opportunities for rapid advancement in the nuclear industry over the next several years. Ohio State offers an undergraduate minor in Nuclear Engineering to provide students with the knowledge and skills they will need for many entry level positions in the nuclear industry.

The undergraduate minor in Nuclear Engineering requires 4 core courses and 3 additional courses selected from a list of options. Engineering majors may count hours used for any minor toward their major program if approved by the student’s major program advisor. (*CoE Undergraduate Minor Program Policy, 2/25/08*) The courses offered in the Nuclear Engineering Minor are:

**Core**
NE 505 Introduction to Nuclear Science and Engineering (3 credit hours) – AU and SP
NE 606 Radiological Safety (3 credit hours) – AU
NE 605 Reactor Theory (3 credit hours) – AU
NE 736 Nuclear Power Plants (3 credit hours) – WI

**Options (select 3)**
NE 694 Reactor Safety I – WI 2008
NE 716 Probabilistic Reliability Safety Analysis (3 credit hours) – SP
NE 720 Reactor Dynamics and Control (3 credit hours) – AU
NE 735 Power Plant Operations I (3 credit hours) – WI
NE 737 Heat Transfer Applications in Nuclear Reactor Systems (3 credit hours) - SP
NE 742 Nuclear Radiations and Their Measurement (3 credit hours) – WI
NE 743 Nuclear Radiations and Their Shielding (3 credit hours) – SP
NE 745 Power Plant Operations II (3 credit hours) - SP
NE 771 Radioactive Waste Management (3 credit hours) – AU
NE 776 Nuclear Fuel Cycles (3 credit hours) - AU

If you are interested in pursuing the undergraduate minor in Nuclear Engineering, simply complete the **Minor Program Form** which is available in the College Office (Room 122 Hitchcock Hall). List the Nuclear Engineering courses you plan to take and the quarter and year in which you plan to take them. The **Minor Program Form** is not binding and does not commit you to taking the courses in the quarters you indicate. It simply informs us that you plan to participate in the Nuclear Engineering Minor program and helps us to plan our teaching loads.

After you complete the Minor Program Form, please bring it to Grace Hines, E406, 201 West 19th Avenue. If you have questions about the Minor in Nuclear Engineering, please contact Dr. Tunc Aldemir, Chair of the Nuclear Engineering Graduate Program, by e-mail at aldemir.1@osu.edu or by phone at 292-4627.