South Carolina State University
COLLEGE OF SCIENCE, MATHEMATICS AND ENGINEERING TECHNOLOGY
300 COLLEGE STREET, N.E.
ORANGEBURG, SOUTH CAROLINA 29117
(803) 536-7117/8392
(803) 516-4516 (FAX)
http://cmetne.scsu.edu

DEPARTMENT OF
CIVIL AND MECHANICAL ENGINEERING
TECHNOLOGY AND NUCLEAR
ENGINEERING

Student Outcomes of the NE Program

a. An ability to apply knowledge of advance mathematics, science, and engineering science, including atomic and nuclear physics, and the transport and interaction of radiation with matter, to nuclear and radiological systems and processes.
b. An ability to design and conduct experiments, as well as to analyze and interpret data.
c. An ability to design a system, including nuclear engineering design, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
d. An ability to function on multi-disciplinary teams.
e. An ability to identify, formulate, and solve engineering problems.
f. An understanding of professional and ethical responsibility.
g. An ability to communicate effectively.
h. The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context.
i. A recognition of the need for, and an ability to engage in life-long learning.
j. A knowledge of contemporary issues.
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.
l. An ability to detect and measure ionizing radiation.