Program Learning Outcomes

College/School	Engineering and Applied Sciences
Department	Mechanical Engineer
Program	ASNT Nuclear Engineering
Link to Program Home	https://www.atu.edu/catalog/undergraduate/colleges/applied_sciences/mech_eng/nuclear_tech.php

Students who complete the program will demonstrate:

The educational objectives of the program leading to the ASNT degree are:

1. To produce graduates who use the skills and knowledge gained in the program to embark upon successful careers and engage in lifelong learning.

2. To produce graduates who employ engineering analysis and mathematical methods appropriate for solution of problems concerning basic atomic and nuclear processes.

3. To produce graduates who employ knowledge of atomic and nuclear science along with engineering methods for solution of problems involving basic nuclear science.

To support these Educational Objectives, the following learning outcomes have been established for the AS Nuclear Technology program:

a. Students graduating from the ASNT program should have an ability to apply knowledge of mathematics, nuclear science and engineering.

b. Students graduating from the ASNT program should have an ability to develop and conduct experiments, as well as analyze and interpret data related to atomic and nuclear processes.

c. Students graduating from the ASNT program should have an ability to identify, formulate and solve basic atomic and nuclear engineering problems.

d. Students graduating from the ASNT program should have the ability to communicate effectively

e. Students graduating from the ASM program should have a basic knowledge of and ability to use the techniques, skills, and modern engineering tools necessary for engineering practice related to atomic and nuclear processes