

Upon graduation, the graduates of the Nuclear Engineering Technology program will be able to:

- Describe and apply the culture of safety, continuous improvement, and peer checking
- Explain the requirement for documentation, formal procedures, and recordkeeping for nuclear related activities
- Describe the main systems in a nuclear power plant, and how they are used in power generation
- Identify typical power plant components and explain their function
- Describe different sources of radiation, their effects on organic matter, methods of detection, and shielding
- Identify and define problems in mathematics and scientific terms
- Recognize assumptions and limits of analysis to the application of technology, including social and ethical implications
- Recognize the need to engage in lifelong learning, and to perform research or conduct investigations to continuously upgrade knowledge and skills
- Communicate effectively, and work as part of a team