

**Degree Offered**

Associate in Applied Science  
Nuclear Energy Technology

**Curriculum Code: 498****Program Information**

This program is designed to prepare students to move directly into the workforce upon graduation. The students will be qualified for entry-level positions in nuclear power maintenance and technology. The courses are designed to provide students with a solid foundation in basic scientific principles as well as mathematics. Students will be exposed to the theory, materials and equipment necessary to work in the nuclear technology field. Special emphasis will be placed on nuclear safety and procedures.

**When You Graduate**

Although not designed to be a transfer program, many of the general education courses should be accepted into a baccalaureate program in a related field.

Salem Community College  
460 Hollywood Avenue  
Carneys Point, NJ 08069

# Nuclear Energy Technology

**A collaborative A.A.S. degree program with  
Salem Community College**

Salem Community College Program Requirements (62 credits)		Credits
<input type="checkbox"/>	CSC 115 Computer Applications* or CS 101 Introduction to Microcomputers @ CCC	3
<input type="checkbox"/>	ENG 101 English Composition I* or EN 101 English Composition I	3
<input type="checkbox"/>	NET 111 Mathematics for Energy Technicians	4
<input type="checkbox"/>	NET 115 Mechanical Sciences	3
<input type="checkbox"/>	Social Science or Humanities Elective Social Science or Humanities Elective @ CCC	3
<input type="checkbox"/>	ENG 102 Business & Occupational Writing	3
<input type="checkbox"/>	MAT 137 College Algebra* or MA 110 College Algebra @ CCC	3
<input type="checkbox"/>	NET 102 Electrical Science	4
<input type="checkbox"/>	NET 130 Applied Physics & Chemistry	4
<input type="checkbox"/>	NET 131 Nuclear Industry Fundamental Concepts	3
<input type="checkbox"/>	NET 211 Heat Transfer & Fluid Flow	3
<input type="checkbox"/>	NET 213 Instrumentation & Control I	3
<input type="checkbox"/>	NET 233 Basic Nuclear Systems	4
<input type="checkbox"/>	PHY 101 Physics I* or PI 123 Fundamentals of Physics I @ CCC	4
<input type="checkbox"/>	ENG 202 Introduction to Speech Communications*or SP 203 Effective Speech @ CCC	3
<input type="checkbox"/>	NET 221 Nuclear Science	4
<input type="checkbox"/>	NET 223 Reactor Plant Protection & Safety	4
<input type="checkbox"/>	NET 243 Instrumentation & Control II	4
<b>Total Credits</b>		<b>62</b>

**Upon completion of this program, students should be able to:**

- Communicate effectively in a professional manner.
- Demonstrate an understanding of scientific inquiry and application.
- Demonstrate an understanding of nuclear power fundamentals.
- Work safely and effectively in the field of nuclear maintenance.
- Demonstrate an understanding of the basic operation of a nuclear power plant.
- Gain employment in the nuclear energy field.