

Associate in Applied Science

Nuclear Energy Technology

Program Information

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

Upon successfully completing 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,
- ▼ demonstrate readiness for employment in the nuclear energy field.

Transfer of Credits

Although this program is designed for immediate career preparation, some credits may transfer to an associate or bachelor's degree program. Please direct specific questions to a Student Affairs advisor.

**Students with previous computer science experience may substitute another computer science course for CSC 115.*

+Students should choose from the following: ECO 201, ECO 202, ETH 200, GEO 101, POL 101, POL 102, PSY 101, PSY 111, SOC 101.

Students entering the Nuclear Energy Technology program must complete all prerequisite courses.

Admission to this program may be limited due to space availability.

Credits

First Semester

<input type="checkbox"/>	CSC 115	Computer Applications*	3
<input type="checkbox"/>	ENG 101	English Composition I	3
<input type="checkbox"/>	NET 111	Mathematics for Energy Technicians	3
<input type="checkbox"/>	NET 115	Mechanical Sciences	3
<input type="checkbox"/>		Social Science or Humanities Elective ⁺	<u>3</u>
			15

Second Semester

<input type="checkbox"/>	ENG 122	Business and Occupational Writing	3
<input type="checkbox"/>	NET 102	Electrical Science	4
<input type="checkbox"/>	NET 130	Applied Physics and Chemistry	4
<input type="checkbox"/>	NET 131	Nuclear Industry Fundamental Concepts	<u>3</u>
			14

Summer Session I

<input type="checkbox"/>	NET 200	Nuclear Energy Co-op I	<u>4</u>
			4

Third Semester

<input type="checkbox"/>	MAT 137	College Algebra	3
<input type="checkbox"/>	NET 211	Heat Transfer and Fluid Flow	3
<input type="checkbox"/>	NET 213	Instrumentation and Control I	3
<input type="checkbox"/>	PHY 101	Physics I	<u>4</u>
			13

Fourth Semester

<input type="checkbox"/>	ENG 202	Introduction to Speech Communication	3
<input type="checkbox"/>	NET 221	Nuclear Science	4
<input type="checkbox"/>	NET 223	Reactor Plant Protection and Safety	4
<input type="checkbox"/>	NET 233	Basic Nuclear Systems	<u>3</u>
			14

Total Credits: 60

N.J. General Education Component for Nuclear Energy Technology

Communication:	ENG 101, ENG 122, ENG 202
Math/Science/Computer Technology:	MAT 137, PHY 101, CSC 115
Social Science:	Social Science Elective or Humanities Elective
Humanities:	
History:	not required
Cultural/Global Awareness:	not required