

NUCLEAR POWER TECHNOLOGY (OPERATIONS)

New enrollments into this program are restricted as of Summer 2025. Please contact an academic advisor about alternative options.

Associate in Applied Science Checklist

- View the General Education Matrix for a complete list of qualifying courses.
- Fulfill the College Degree Requirements in conjunction with this degree plan.
- Consult an Academic Advisor to ensure all academic requirements are met.

Summary

Prescribed Program	52
General Education	15
Digital Literacy	
Total Credits	67

Degree Plan

Prescribed Program

NUPT 101	Overview of Nuclear Energy	2
NUPT 103	Nuclear Mathematical Fundamentals	3
NUPT 105	Classical Physics	4
NUPT 107	Engineering Drawings, Diagrams and Schematics	3
NUPT 113	Mechanical Science	3
NUPT 215	Nuclear Plant Chemistry	3
NUPT 109	Electrical Science	4
NUPT 213	Nuclear Physics	3
NUPT 217	Heat Transfer, Fluid Flow and Thermodynamics	4
NUPT 111	Instrumentation and Control	4
NUPT 221	Science of Radiological Protection	3
NUPT 219	Material Science	3
NUPT 220	Reactor Theory	2
NUPT 225	Nuclear Plant System Component Design and Function	4
NUPT 223	Reactor Safety Design	3
NUPT 227	Conduct of Facility Operations	4
Total Credits		52

General Education

Written or Oral Communications

ENGL 110	College Composition I	3
Select one of the following:		3
COMM 110	Fundamentals of Public Speaking	
ENGL 120	College Composition II	
ENGL 125	Introduction to Professional Writing	
Credits Subtotal		6

Arts & Humanities/Social & Behavioral Sciences

Select one of the following recommended courses:		3
HIST 103	United States to 1877	
ECON 201	Principles of Microeconomics	
PSYC 111	Introduction to Psychology	

SOC 110 Introduction to Sociology

Credits Subtotal **3**
Business, Math, Science, & Technology (Two Areas of Study)

 Select one of the following recommended courses: **3**

 CSCI 101 Introduction to Computers ¹

 CIS 147 Principles of Information Security ¹

 Select one of the following recommended courses: **3**

MATH 137 Applied Algebra

MATH 210 Elementary Statistics

Credits Subtotal **6**
General Education Total Credits **15**
Digital Literacy

Select one of the following:

 CSCI 101 Introduction to Computers ¹

 CIS 147 Principles of Information Security ¹

BSC Approved Training Course

NDUS Institution Approved Training Course

NDUS Institution Designated Digital Literacy Course

Footnotes

¹ CSCI 101, CIS 147 or courses transferred in from another NDUS Institution that are listed as both general education and digital literacy may satisfy both requirements upon successful completion.