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.