NUCLEAR POWER TECHNOLOGY (INSTRUMENTATION & CONTROL) - ON DEMAND

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	57
General Education	15
Digital Literacy	
Total Credits	**72**

Degree Plan
Prescribed Program

NUPT 103	Nuclear Mathematical Fundamentals	3
NUPT 219	Material Science	3
NUPT 105	Classical Physics	4
NUPT 221	Science of Radiological Protection	3
NUPT 113	Mechanical Science	3
NUPT 215	Nuclear Plant Chemistry	3
NUPT 109	Electrical Science	4
NUPT 213	Nuclear Physics	3
ICTL 215	Instrumentation Drawings and Documents	4
NUPT 217	Heat Transfer, Fluid Flow and Thermodynamics	4
NUPT 111	Instrumentation and Control	4
ICTL 225	Input and Output Devices	4
ICTL 235	Motors and Controllers	4
NUPT 225	Nuclear Plant System Component Design and Function	4
NUPT 223	Reactor Safety Design	3
NUPT 229	Instrumentation & Control II	4
Total Credits		**57**

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.