

NUCLEAR POWER TECHNOLOGY (INSTRUMENTATION & CONTROL) - ON DEMAND

Associate in Applied Science

Prescribed Technical Program	57
General Education	15
Digital Literacy	
Total Degree Credits	72

Prescribed Technical Program Requirements

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 Requirements

<i>Arts & Humanities/Social & Behavioral Sciences</i>		
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	
<i>Written or Oral Communications</i>		
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	
<i>Business, Math, Science, & Technology (Two Areas of Study)</i>		
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	
	Total Credits	15

Digital Literacy Requirements

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

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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.

College Degree & Digital Literacy Requirements

General Education & Diversity Course Matrix Requirements