

# NUCLEAR POWER TECHNOLOGY (INSTRUMENTATION & CONTROL) - ON DEMAND

## Program Certificate

Prescribed Technical Program	57
General Education	4
<b>Total Degree Credits</b>	<b>61</b>

Course	Title	Credits
<b>Semester I</b>		
<b>Prescribed Technical Program Requirements (Fall Only)</b>		
NUPT 219	Material Science	3
NUPT 103	Nuclear Mathematical Fundamentals	3
NUPT 105	Classical Physics	4
NUPT 221	Science of Radiological Protection	3
	Credits	13
<b>Semester II</b>		
<b>Prescribed Technical Program Requirements (Spring Only)</b>		
NUPT 113	Mechanical Science	3
NUPT 215	Nuclear Plant Chemistry	3
NUPT 109	Electrical Science	4
NUPT 213	Nuclear Physics	3
	Credits	13
<b>Semester III</b>		
<b>Prescribed Technical Program Requirements (Fall Only)</b>		
NUPT 217	Heat Transfer, Fluid Flow and Thermodynamics	4
NUPT 111	Instrumentation and Control	4
ICTL 215	Instrumentation Drawings and Documents	4
ICTL 225	Input and Output Devices	4
	Credits	16
<b>Semester IV</b>		
<b>Prescribed Technical Program Requirements (Spring Only)</b>		
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
	Credits	15
	<b>Total Credits</b>	<b>57</b>
<b>General Education Requirements</b>		
Select 4 credits of general education courses in 2 areas of study		4
General Education Requirements Course		
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	<b>Total Credits</b>	<b>4</b>

College Degree Requirements

General Education & Diversity Course Matrix Requirements