

# Nuclear Technology One-Year Certificate Instrumentation and Control Technician Option

PROFESSIONAL TECHNICAL

2018-2019 Certificate Requirements

## Major Courses

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
NT	111	Basic Nuclear Math & Physics	5		
NT	114	Introduction to Radiation Safety	5		
NT	121	Reactor Plant Operations <i>or</i>	4		
NT	122	Basic Nuclear Facilities	4		
NT	131	Nuclear Facility Components	4		
NT	141	Basic Reactor Safety, Theory, & Operations <i>or</i>	5		
NT	142	Basic Nuclear Safety & Environmental Compliance	5		

**Subtotal    23**

## Major Support

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
ELT	124	Direct Current Circuits	5		
ELT	134	Alternating Current Circuits	5		
ELT	154	Semiconductors and Op Amps	5		
IHT	100	OSHA-10	1		

**Subtotal    16**

## General Education

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
<b>English (select 5 credits)</b>					
ENGL&	101	English Composition I <i>or</i>	5		
ENGL	103	Writing in the Workplace	5		
<b>Science (5 credits)</b>					
CHEM&	140	General Chemistry Prep w/ Lab	5		
<b>Communication Studies (select 3-5 credits)</b>					
CMST	101	Speech Essentials <i>or</i>	3		
CMST	103	Workplace Communication (preferred) <i>or</i>	3		
CMST	110	Communication Behavior <i>or</i>	3		
CMST&	210	Interpersonal Communication <i>or</i>	5		
CMST&	220	Public Speaking <i>or</i>	5		
CMST	260	Multicultural Communication	5		

**Subtotal    13-15**

**Total Credits Required    52-54**