

# Degree & Certificate Requirements

## Nuclear Technology Radiation Protection Technician Associate in Applied Science (AAS) PROFESSIONAL TECHNICAL 2022-2023 Degree Requirements

### Major Courses

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ELT 124	Direct Current Circuits	5		
NT 111	Basic Nuclear Math & Physics	5		
NT 121	Reactor Plant Operations	4		
or				
NT 122	Basic Nuclear Facilities	4		
NT 131	Nuclear Facility Components	4		
NT 141	Basic Reactor Safety, Theory, & Operations	5		
or				
NT 142	Basic Nuclear Safety & Environmental Compliance	5		
NT 150	Internship Seminar	1		
NT 152	Internship	1-5		
or				
NT 154	Industry Project	1-5		
NT 160	Nuclear Chemistry	3		
NT 170	Mechanical & Fluid Power Transmission	4		
RPT 111	Radiation Fundamentals	5		
RPT 121	Radiation Monitoring	5		
RPT 131	Radiation Effects	5		
RPT 141	Radioactive Materials Handling	5		
RPT 211	Radiological Safety and Response	5		
RPT 222	Radiation Protection	5		
<b>Subtotal</b>		<b>62-66</b>		

### Major Support

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
<b>Biology - 5 credits:</b>				
BIOL&175	Human Biology w/ Lab [M/S]	5		
<b>Chemistry - select 5-6 credits from the following:</b>				
CHEM&140	General Chemistry Prep w/ Lab [M/S]	5		
CHEM&161	General Chemistry I w/ Lab [M/S]	6		
<b>Physics - select 5 credits from the following:</b>				
PHYS& 110	Physics for Non-Science Majors & Lab <i>or above</i>	5		
<b>Subtotal</b>		<b>15-16</b>		

# Degree & Certificate Requirements

## General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
<b>Communication Studies - select 5 credits from the following:</b>				
CMST&101	Introduction to Communication Studies [C]	5		
CMST&210	Interpersonal Communication [C]	5		
CMST&220	Public Speaking [C]	5		
CMST 260	Multicultural Communication [C]	5		
<b>English - select 5 credits from the following:</b>				
ENGL&101	English Composition I [C]	5		
ENGL 103	Writing in the Workplace	5		
<b>Mathematics - select 5-10 credits from the following:</b>				
MATH&141	Precalculus I [M/S] [Q/SR]	5		
MATH&142	Precalculus II [M/S] [Q/SR]	5		
<b>Social &amp; Behavioral Sciences - select 5 credits from the following:</b>				
PSYC&100	General Psychology [S/B]	5		
SOC& 101	Intro to Sociology [S/B]	5		

**Subtotal**      **20-25**  
**Total Credits Required**      **97-107**

Students must receive minimum 2.0 grade in all ELT, NT, and RPT courses.

Required minimum cumulative 2.0 GPA.