

Degree & Certificate Requirements

Nuclear Technology Radiation Protection Technician Associate of Applied Science (AAS) PROFESSIONAL TECHNICAL 2025-2026 Degree Requirements

Major Courses

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

Subtotal 62-66

Major Support

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

Subtotal 15-16

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General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Communication - select 5 credits from the following:				
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		
English - select 5 credits from the following:				
ENGL& 101	English Composition I [C]	5		
ENGL 103	Writing In The Workplace [RE]	5		
Mathematics - select 5 to 10 credits from the following:				
MATH& 141	Precalculus I [M/S] [Q/SR]	5		
MATH& 142	Precalculus II [M/S] [Q/SR]	5		
Social & Behavioral Sciences - select 5 credits from the following:				
PSYC& 100	General Psychology [S/B]	5		
SOC& 101	Intro to Sociology [S/B]	5		

Subtotal 20-25
Total Credits Required 97-101

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