

Degree & Certificate Requirements

Nuclear Technology Non-Licensed Nuclear Operator Associate in Applied Science (AAS) PROFESSIONAL TECHNICAL 2021-2022 Degree Requirements

Major Courses

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
ELT 124	Direct Current Circuits	5		
IC 250	Instrumentation & Control for Operators	5		
IC 260	Process Instrumentation	5		
NT 111	Basic Nuclear Math & Physics	5		
NT 114	Introduction to Radiation Safety	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		
NOP 111	Hydraulic and Fluid Flows	5		
NOP 221	Advanced Operational Systems	5		
NOP 231	Advanced Facility Components	5		
NOP 241	Chemical & Water Treatment Systems	5		
NOP 251	Advanced Thermodynamics and Heat Transfer	4		

Subtotal **75**

Major Support

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Chemistry - select 5-6 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 [M/S]	5		
Any PHYS& course higher than 110		5		

Subtotal **10-11**

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General Education

Course Number	Course Title	Credits	Qtr. Completed	Comments / Substitution
Communication Studies - 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	5		
Mathematics - 5 credits:				
MATH&141	Precalculus I [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
Total Credits Required 105-106

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