

# Associate in Applied Science in Nuclear Technology

Non-Licensed Nuclear Operator Option

PROFESSIONAL TECHNICAL

2012-2013 Degree 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		
NT	150	Internship Seminar	1		
NT	160	Nuclear Chemistry	3		
ELT	111	Introduction to Electricity	5		
MEC	111	Mechanical & Fluid Power Transmission	4		
FYI	103	First Year Introduction for Trades	1		
<b>Internship/Industry Project (select 7 credits)</b>					
NT	152	Internship	1-7		
NT	154	Industry Project	1-7		

**Subtotal 44**

## Major Support

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
NOP	111	Hydraulic and Fluid Flows	5		
NOP	221	Electrical Generation and Distribution	5		
NOP	231	Steam Systems	5		
NOP	241	Chemical & Water Treatment Systems	5		
NOP	251	Facility Support Systems	4		
IC	250	Instrumentation & Control for Operators	5		
IC	260	Process Instrumentation	5		

**Subtotal 34**

**General Education**

Course	No.	Course Title	Credits	Qtr. Completed	Comments/Substitution
<b>English (10 credits)</b>					
ENGL&	101	English Composition I	5		
ENGL&	235	Technical Writing	5		
<b>Science (10 credits)</b>					
PHYS&	134/124	General Physics I & Lab <i>or</i>	5		
PHYS&	241/231	Engineering Physics I & Lab	5		
CHEM&	140/140L	General Chemistry Prep w/ Lab	5		
<b>Math (15 credits)</b>					
MATH&	141	Precalculus I	5		
MATH&	142	Precalculus II	5		
MATH&	146	Introduction to Stats	5		
<b>Human Relations (5 credits)</b>					
PSYC&	100	General Psychology	5		
<b>Communication Studies (select 3-5 credits)</b>					
CMST	101	Speech Essentials <i>or</i>	3		
CMST&	220	Public Speaking <i>or</i>	5		
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	260	Multicultural Communications	5		

**Subtotal 43-45**

**Total Credits Required 121-123**