

Degree & Certificate Requirements

Nuclear Technology Instrumentation & Control Technician One-Year Certificate PROFESSIONAL TECHNICAL 2025-2026 Certificate Requirements

Major Courses

| Course Number | Course Title | Credits | Qtr. Completed | Comments / Substitution |
|-----------------|--|-----------|----------------|-------------------------|
| ELT 124 | Direct Current Circuits [RE] | 5 | | |
| ELT 134 | Alternating Current Circuits [RE] | 5 | | |
| ELT 154 | Semiconductors and Op Amps [RE] | 5 | | |
| NT 111 | Basic Nuclear Math & Physics [RE] | 5 | | |
| NT 114 | Introduction to Radiation Safety [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 | | |
| Subtotal | | 38 | | |

Major Support

| Course Number | Course Title | Credits | Qtr. Completed | Comments / Substitution |
|--|---|--------------|----------------|-------------------------|
| 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 | | 10-11 | | |

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 - 5 credits: | | | | |
| MATH& 141 | Precalculus I [M/S] [Q/SR] | 5 | | |
| Subtotal | | 15 | | |
| Total Credits Required | | 63-64 | | |

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