

# Alexandria Technical and Community College

## A.S. Naval Nuclear Engineering Technology to Bachelor of Science in Nuclear Engineering Technology

This program plan outlines how students can apply their Alexandria Technical and Community College A.S. Naval Nuclear Engineering Technology to Excelsior University's B.S. in Nuclear Engineering Technology degree program.

This is only a guide in how credits will transfer into an Excelsior University degree program. **Actual transferability of credits are dependent upon current Excelsior University degree requirements and policies upon the date a student is admitted to Excelsior.** All students will be reviewed individually as it relates to the transferability of credits into an Excelsior University degree program.

**Created: October 2024**

ATCC	Semester Hours	Excelsior University Requirements	Semester Hours
ENGL 1410 Composition I	3	Written English Requirement	3
ENGL 1420 Composition II	3	Arts & Sciences Requirement	3
ENGL 1495 Environmental Literature	3	Humanities Requirement	3
COMM 1437 Intercultural Communication	3	Communications Requirement	3
CHEM 1500 General Chemistry w/Lab	4	Chemistry/Chemistry Lab Requirement	4
NAV 101/PHIL 1460 Naval Ethics and Leadership**	3	Free Elective	3
NAV 102/HIST 1665 Modern Naval History or HIST 2410 Naval Force Design**	3	Social Science/History Requirement	3
NAV 104/POLS 1635 Civilian/Military Org. and Policy**	3	Arts & Sciences Requirement	3
NAV 105/GEOG 1500 Intro to the Geopolitical Enviro**	3	Social Science/History Requirement	3
MATH 1425 Pre-Calculus	4	Pre-Calculus Requirement	4
MATH 1426 Calculus I	4	Calculus I Requirement	4
MATH 2232 Calculus II	4	Calculus II Requirement	4
MFGT 2552 Programmable Logic Controls	4	Nuclear Technology Elective	4
NUCP Nuclear Technical Elective (depends on course)	4	Nuclear Technology Elective	4
MATH 1447 Introduction to Statistics	4	Arts & Sciences Requirement	4
PHYS 1081 Physics I with Lab	4	Physics I w/Lab Requirement	4
PHYS 1082 Physics II with Lab	4	Physics II w/Lab Requirement	4
<b>TOTAL CREDITS REQUIRED</b>	<b>60</b>	<b>TOTAL CREDITS ACCEPTED</b>	<b>60</b>

\*\*The NAV courses will need a separate transcript from USNCC for credit to be evaluated.

Credits to be Taken with Excelsior University Courses with an * MUST be taken at Excelsior University	
INL 102: Information Literacy*	1
IND 101: Cornerstone A (Foundations) <b>OR</b> IND 301: Cornerstone B (Pathways)*	3
ENG 312: Professional and Technical Writing*	3
IND 203: Professional Ethics	3
NUC 240: Atomic and Nuclear Physics	4
NUC 245: Thermodynamics	3
NUC 246: Thermodynamics Lab	1
NUC 255: Electrical Theory	3
IT 221: Introduction to Computers	3
NUC 323: Material Science	3
NUC 271: Fundamentals of Reactor Safety	3
NUC 210: Health Physics and Radiation Protection	3
NUC 211: Radiation Measurement Lab	1
NUS 350: Plant Systems Overview	3
NUC 330: Reactor Core Fundamentals	3
NUC 250: Introduction to Heat Transfer and Fluid Mechanics	3
IT 390: Project Management	3
NUC 260: Power Plant Components	3
Nuclear Technology Electives	5
Concentration Electives	8
IT 495: Integrated Technology Assessment Capstone*	3
<b>TOTAL CREDITS</b>	<b>65</b>

Upper Level Credits: Fifteen (15) credits within the technology requirements must be upper level courses. Nine (9) of those credits must be in the chosen concentration area.

EVALUATION SUMMARY		Semester Hours
Credits Accepted from Alexandria Technical and Community College		60
Credits To Be Taken With Excelsior		65
<b>TOTAL CREDITS REQUIRED</b>		<b>125</b>

\* All credits with the exception of information literacy, cornerstone, and capstone may be transferred from other institutions.

\* Students must choose from one of the following concentrations: General, Nuclear Cybersecurity, Nuclear Leadership.

\* Excelsior University reviews every student individually and this guide is just a sample scenario. Actual requirements will be dependent on the courses a student transfers to Excelsior.

