

**Lakeshore Technical College AAS Nuclear Technology
to Excelsior College B.S. Nuclear Engineering Technology**
Revision: February 2020

This program plan outlines how students can transfer from the **Lakeshore Technical College AAS Nuclear Technology** program to the **Excelsior College B.S. Nuclear Engineering Technology** program. Upon completion of the **AAS Nuclear Technology**, the following credits will apply for students enrolling in the **B.S. Nuclear Engineering Technology** program.

Lakeshore Technical College Credits	Semester Hours	Excelsior College Requirements	Semester Hours
10624105 Health Physics Calculations and Statistics	3	Mathematics Elective	3
10624110 Radioactivity and Regulations	3	Technology Elective	3
10804113 College Technical Mathematics 1A	3	Arts and Science Elective	3
10103121 Excel - Level 1	1	Free Elective	1
10801195 Written Communication	3	Written English	3
10624114 Nuclear Systems and Sources	3	Technology Elective	3
10624122 Radiation Physics	3	Natural Science Elective	3
10624123 Radiation Physics-Lab	2	Radiation Measurement Lab Core	2
10624103 Nuclear DC and AC Applications	3	Electrical Theory Core	3
10801196 Oral/Interpersonal Comm	3	Communications Elective	3
10624118 Radiation Biology	3	Natural Science Elective	3
10809122 Introduction to American Government	3	History Elective	3
10624138 Radioactive Material and Management	2	Technology Elective	2
10624149 Reactor Plant Components	4	Technology Elective	4
10482135 Energy Power and Force or 10806154 General Physics 1 (recommended)	3 to 4	Physics Core	4
10624145 Applied Health Physics	3	Health Physics	3
10624146 Applied Health Physics-Lab	2	Lab Elective	2
10809198 Intro to Psychology	3	Social Sciences Elective	3
10624140 Radiochemistry	3	Technology Elective	3
10624148 Reactor Theory and Operation	3	Fundamentals of Reactor Safety Core	3
10624133 Radiological Emergencies	3	Technology Elective	3
10624134 Radiation Shielding	2	Technology Elective	2
10624135 Radiation Shielding Lab	1	Lab Elective	1
Total Credits Required for Associate	62 to 63	Total Credits Accepted from Associate	63

Credits Beyond The Associate That Can Be Transferred OR Taken At Excelsior

Lakeshore Technical College Credits	Semester Hours	Excelsior College Requirements
Humanities Electives	3	Humanities Requirement
10809166 Introduction to Ethics	3	Ethics Requirement
Social Sciences/History Electives	3	Social Sciences/History Requirement
10806134 General Chemistry	4	Chemistry Requirement
Total Additional Credits *	13	

Credits To Be Taken At Excelsior College *

Excelsior College Requirements	Semester Hours
INL 102: Information Literacy	1
IND 101: Cornerstone A: Foundations or IND 301: Cornerstone B: Pathways	3
ENG 102: Composition II	3
IT 221: Introduction to Computers	3
TECH 201: Foundations of Technology Problem Solving I	4
TECH 202: Foundations of Technology Problem Solving II	4
PHYS 203: Physics II	3
NUC 240: Atomic and Nuclear Physics	4
NUC 245: Thermodynamics	3
NUC 323: Material Science	3
NUC 350: Plant Systems Overview	3
NUC 250: Introduction to Heat Transfer and Fluid Mechanics	3
NUC 330: Reactor Core Fundamentals	3
Concentration/Technology Electives	5
NUC 495: Integrated Technology Assessment Capstone <i>NOTE: The Capstone MUST be completed at Excelsior</i>	3
Total Credits	48

* The above credits (with the exception of the **Capstone** course) may also be transferred in or taken at another 4-year regionally accredited institution.

** Students are required to complete a minimum of six (6) credits of labs in the following (Chemistry, Radiation Measurement, General Physics, Technology Electives, or Natural Sciences Electives)

Evaluation Summary	Semester Hours
Credits Accepted from Associate Degree	63
Additional Credits beyond the Associate Degree	13
Credits from Excelsior *	48
Total Credits Required for Bachelor's Degree	124

* Students are required to take a minimum of **12.00 online course credits** from Excelsior to qualify for partner pricing.

NOTE: Excelsior College reviews every student individually. This guide is a sample scenario only. Actual requirements will be dependent on the courses a student transfers and the application date with Excelsior.

What are Arts and Sciences?

We offer the following definitions to help you make these determinations. Remember, however, that before you pay to take a course or examination you should always consult with your advisor to make sure that it will help meet your degree requirements.

Humanities

Humanities subjects focus on developing knowledge and skills in critical reading, logical thought, and esthetic appreciation. Here are some subject areas typically classified as Humanities:

Art, Philosophy, Music, Foreign Language, Literature, Theater, Ethics, Speech, Religion, Communication

Social Sciences and History

Social Sciences and History subjects focus on individuals and society and the processes individuals use to order their world. Here are some subject areas typically classified as Social Sciences and History:

Psychology, Economics, Sociology, Geography, Political Science, History, Anthropology

Natural Sciences and Mathematics

Natural Sciences and Mathematics subjects focus on understanding the natural world and problem-solving processes. Here are some subject areas typically classified as Natural Sciences and Mathematics:

Anatomy and Physiology, College Algebra, Microbiology, Calculus, Chemistry, Genetics, Biology, Physics