

**Richmond Community College Associate in Engineering  
to Excelsior College BS Nuclear Engineering Technology**
**Revision: October 2018**

This program plan outlines how students can transfer from the **Richmond Community College Associate in Engineering** program to the **Excelsior College BS Nuclear Engineering Technology** program. Upon completion of the **Associate in Engineering**, the following credits will apply for students enrolling in the **BS Nuclear Engineering Technology** program.

<b>Richmond Community College Credits</b>	<b>Semester Hours</b>	<b>Excelsior College Requirements</b>	<b>Semester Hours</b>
ENG111: Writing and Inquiry	3	Written English	3
ENG112: Writing/Research in the Disciplines	3	Written English	3
Humanities (PHI240: Introduction to Ethics recommended)	3	Ethics Core	3
Fine Arts and Communication*	3	Humanities	3
Social/Behavioral Sciences Elective**	3	Social Sciences / History	3
ECO251: Principles of Microeconomics	3	Social Sciences	3
MAT271: Calculus I	4	Calculus I Core	4
MAT272: Calculus II	4	Calculus II Core	4
MAT273: Calculus III	4	Mathematics Elective	4
CHEM151: General Chemistry I	4	Chemistry Core	4
PHY251: General Physics I	4	Physics I Core	4
PHY252: General Physics II	4	Physics II Core	4
ACA122: College Transfer Success	1	Not Applicable	0
EGR150: Introduction to Engineering	2	Free Elective	2
BIO111: General Biology I	4	Arts and Sciences Elective	4
CHEM152: General Chemistry II	4	Arts and Sciences Elective	4
COM110: Introduction to Communication	3	Communications Core	3
ECO252: Principles of Macroeconomics	3	Social Sciences	3
PED110: Fitness and Wellness for Life	2	Not Applicable	0
<b>Total Credits Required for Associate</b>	<b>61</b>	<b>Total Credits Accepted from Associate</b>	<b>58</b>

Excelsior College requires Math courses at the level of College Algebra or above. Depending on what the student takes at their home institution, they will need the other requirement for Excelsior College.

\* Select one: ART111: Art Appreciation, ART115: Art History Survey II, COM231: American Literature I or MUS110: Music Appreciation

\*\* Select one: HIS111: World Civilizations I, HIS112: World Civilizations II, HIS131: American History I, HIS132: American History II, POL120: American Government, PSY150: General Psychology or SOC210: Introduction to Sociology

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

<b>Richmond Community College Credits</b>	<b>Semester Hours</b>	<b>Excelsior College Requirements</b>
ELC151: Circuit Analysis I	4	Electrical Theory Core
Free Electives	11	Free Electives
CIS110: Introduction to Computers	3	Computer Applications Core
<b>Total Additional Credits</b>	<b>18</b>	

## Credits To Be Taken At Excelsior College \*

Excelsior College Requirements	Semester Hours
INL102: Information Literacy	1
NUC240: Atomic and Nuclear Physics	4
NUC245: Thermodynamics	3
NUC271: Fundamentals of Reactor Safety	3
NUC323: Material Science	3
NUC210: Health Physics and Radiation Protection	3
NUC211: Radiation Measurement Lab	1
NUC350: Plant Systems Overview	3
NUC330: Reactor Core Fundamentals	3
NUC250: Introduction to Heat Transfer and Fluid Mechanics	3
Nuclear Technology Electives	18
ELEC495: Integrated Technology Assessment (Capstone) <i>NOTE: The Capstone MUST be completed at Excelsior</i>	3
<b>Total Credits</b>	<b>48</b>

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

Evaluation Summary	Semester Hours
Credits Accepted from Associate Degree	58
Additional Credits beyond the Associate Degree	18
Credits from Excelsior *	48
<b>Total Credits Required for Bachelor's Degree</b>	<b>124</b>

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