

**electrical training ALLIANCE Inside Core Curriculum to  
Excelsior College Bachelor of Science in Nuclear Engineering Technology, General Concentration**

This program plan outlines how students can transfer credits from the **electrical training ALLIANCE Inside Core Curriculum** to the **Excelsior College B.S. in Nuclear Engineering Technology, General Concentration** degree program.

<b>electrical training ALLIANCE</b>	<b>Semester Hours</b>	<b>Excelsior College Requirements</b>	<b>Semester Hours</b>
<b>First Year Inside Core Curriculum: 08/01/2012 - 04/30/2017</b>			
Direct Current (DC) Circuits	1	Electrical Theory*	1
DC Measurements	1	Electrical Theory*	1
<b>Second Year Inside Core Curriculum: 08/01/2013 - 04/30/2017</b>			
Alternating Current Electrical Circuits	1	Electrical Theory*	1
Electric Circuits Lab	2	Electrical Theory, and technology lab*	2
Electrical Safety	1	Technical Elective	1
Transformers	1	Free Elective - Excess Credit	0
Blueprint Reading	1	Free Elective - Excess Credit	0
Electrical Measurements	1	Free Elective - Excess Credit	0
National Electrical Code	1	Free Elective - Excess Credit	0
<b>Third Year Inside Core Curriculum: 08/01/2013 - 04/30/2017</b>			
Fundamentals of Transformers	1	Free Elective - Excess Credit	0
Electrical Safety	1	Free Elective - Excess Credit	0
Codes and Practices	1	Free Elective - Excess Credit	0
AC Theory	2	Technical Elective	2
<b>Fourth Year Inside Core Curriculum: 08/01/2017 - 04/30/2017</b>			
Alternating Current (AC) Motors	1	Free Elective - Excess Credit	0
AC Circuits 2	2	Technical Elective	2
Motor Control Laboratory	1	Free Elective	1
Motor Control Circuits	3	Technical Elective	3
Digital Electronics Fundamentals and Lab	1	Free Elective	1
Electrical Construction Field Experience 4	1	Free Elective	1
National Electrical Code 4	1	Free Elective	1
<b>Fifth Year Inside Core Curriculum: 08/01/2013 - 04/30/2017</b>			
Codes and Standards	3	Free Elective	3
Industrial Wiring	3	Free Elective	3
Electro-mechanical Controls	3	Free Elective	3
Alternative Energy Systems	2	Technical Elective	2
Network Cabling Systems	2	Free Elective	2
Fire Alarm and Security Systems	1	Free Elective	1
<b>Total Credits earned at etA</b>	<b>39</b>	<b>Total Credits Accepted From etA</b>	<b>31</b>

\*All four courses are required to satisfy the Electrical Theory requirement.

## Credits To Be Taken At Excelsior College \*

Excelsior College Requirements	Semester Hours
Written English	6
Communications	3
Humanities Elective	3
Ethics	3
CCS*120: EC Success Seminar	3
Social Science/History Electives	6
MAT 114: Intermediate Algebra	3
MAT 116: Precalculus Algebra	3
MAT*118: Trigonometry	3
TECH 201: Foundations of Technology Problem Solving I	4
TECH 202: Foundations of Technology Problem Solving II	4
PHYS 201: Physics I	3
PHYS 203: Physics II	3
PHYS 202: Physics I Lab	1
PHYS 204: Physics II Lab	1
CHE 101: General Chemistry I	3
CHE 101L: General Chemistry Lab	1
NUC 240: Atomic and Nuclear Physics	4
NUC 245: Thermodynamics	3
IT 221: Introduction to Computers	3
NUC 271: Fundamentals of Reactor Safety	3
NUC 323: Material Science	3
NUC 210: Health Physics and Radiation Protection	3
NUC 211: Radiation Measurement Lab	1
NUC 350: Plant Systems Overview	3
NUC 330: Reactor Core Fundamentals	3
NUC 250: Introduction to Heat Transfer and Fluid Mechanics	3
Technical Electives	8
NUC 495: Integrated Technology Assessment (capstone)	3
<b>Total Credits</b>	<b>93</b>

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

Evaluation Summary	Semester Hours
Credits Accepted from electrical training ALLIANCE	31
Credits from Excelsior **	93
<b>Total Credits Required for Bachelor Degree</b>	<b>124</b>

\*\* Students are required to take a minimum of **12.00 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.**