

**electrical training ALLIANCE Residential 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 Residential Curriculum** to the **Excelsior College B.S. in Nuclear Engineering Technology, General Concentration** degree program.

electrical training ALLIANCE	Semester Hours	Excelsior College Requirements	Semester Hours
First Year Residential Curriculum: 09/01/2013 - 04/30/2017			
Basic Electricity	3	Free Elective	3
Direct Current Theory	3	Electrical Theory*	3
Labor Relations and History	1	Social Science/History	1
Technical Mathematics	1	Does not apply	0
Electrical Safety	1	Free Elective - Excess Credit	0
Blueprints	1	Free Elective - Excess Credit	0
National Electrical Code	1	Free Elective - Excess Credit	0
Second Year Residential Curriculum: 09/01/2013 - 04/30/2017			
Alternating Current Circuits	3	Electrical Theory*	3
Residential Wiring	3	Free Elective	3
National Electrical Code	3	Free Elective	3
Third Year Residential Curriculum: 09/01/2013 - 04/30/2017			
Solar DV Systems	1	Free Elective - Excess Credit	0
Motors and Motor Controls	2	Technical Elective	2
National Electrical Code	1	Free Elective	1
Fire Alarm and Security Systems	2	Free Elective	2
Residential Wiring	2	Free Elective	2
Residential Audio and Visual Systems	2	Free Elective	2
Total Credits earned at etA	30	Total Credits Accepted From etA	25

*Both 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	5
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
ELEC 160: Electronics I (includes lab)	4
Technical Electives	11
NUC 495: Integrated Technology Assessment (capstone)	3
Total Credits	99

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	25
Credits from Excelsior **	99
Total Credits Required for Bachelor Degree	124

** 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.