

**SUNY Adirondack A.A.S. in Electrical Technology  
to Excelsior College B.S. in Electrical Engineering Technology (Electronics)**
**Revision: August 2016**

This program plan outlines how students can transfer from the **SUNY Adirondack A.A.S. in Electrical Technology** program to the **Excelsior College B.S. in Electrical Engineering Technology (Electronics)** program. Upon completion of the SUNY Adirondack A.A.S. in Electrical Technology, the following credits will apply for students enrolling in the Excelsior College B.S. in Electrical Engineering Technology (Electronics) program.

<b>SUNY Adirondack Credits</b>	<b>Semester Hours</b>	<b>Excelsior College Requirements</b>	<b>Semester Hours</b>
HRD 100, HRD 100A or HRD 110 FRESHMAN EXPERIENCE	1-4	Non-Applicable Credit (Orientation Course)	0
ENG 101 or ENG 100A & B Introduction to College Writing or Writing Reading Workshop A/B	3	Written English	3
SUNY GEN ED Basic Communication ENG 102, ENG 103, ENG 104, ENG 105, ENG 106, ENG 107, ENG 108, ENG 109 or ENG 110	3	Written English	3
Choose 2 from: MAT 108, MAT 121, MAT 125 or MAT 131	6-7	Excelsior College prefers that students take MAT*121 and MAT*125 so they are properly prepared for Calculus I	6
CHM 103, PHY 107 or PHY 111	4	Excelsior college prefers that students take PHY*111 so they can get credit for Physics I and lab	4
Any PED activity course, AVS 101, AVS 102, BIO 115, HED 103, HED 104, HED 108, NTR 101, NTR 111, or PED 172	2	Non-Applicable Credit (Free Elective)	0
Social Science	9	Social Sciences	9
CIS 111, CIS 125 or CIS 143	3	Non-Applicable Credit (Free Elective)	0
TEC 101 Introduction to Engineering and Technology	3	Free Elective	3
TEC 103 Electrical Technology Fundamentals	3	Free Elective	3
TEC 119 Electricity I	4	Circuit Theory I ELEC*152	4
TEC 120 Electricity II	4	Duplicative Credit Non-Applicable	0
TEC 130 Introduction to RFID	3	Non-Applicable Credit (Excess)	0
TEC 223 Motors and Controls	3	Non-Applicable Credit (Excess)	0
TEC 241 Industrial Electronics	3	Technology Elective	3
TEC 250 Automation and Controls I	3	Technology Elective	3
TEC 251 Automation and Controls II	3	Technology Elective	3
Choose from: CIS 131, EGR 109, TEC 178, TEC 236 (Prereq Required) or TEC 299	3	Student should take CIS*131- meets Business Data Communications concentration requirement	3
Liberal Arts and Sciences. MAT 131 Calculus I or PHY 112 General Physics II recommended for transfer	4	PHY*112- Physics II	4
Elective	3	Student should take an arts and science elective as advised (Calculus I Should be considered)	3
<b>Total Credits Required for Associate</b>	<b>64</b>	<b>Total Credits Accepted From Associate</b>	<b>54</b>

\* Excelsior College requires math courses at the level of college algebra or above. The Cyber Operations and Information Technology program includes a Statistics requirement. Depending on what the student takes at their home institution, they will need the other requirement for Excelsior College.

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

SUNY Adirondack Credits	Semester Hours	Excelsior College Requirements
PHI*207: Business Ethics	3	Ethics Requirement
SPH*111: Introduction to Public Speaking	3	Communications
CIS*222 Programing in Java	3	Computer Programming
MAT*131 Calculus I	4	Calculus I
MAT*132 Calculus II	4	Calculus II
MAT*231 Calculus III	4	Arts and Science Elective
MAT*232 Differential Equations	4	Differential Equations
HUM*180: Introduction to Humanities	3	Humanities
Arts and Science Electives as Advised	3	Arts and Science Elective
EGR*183 Digital Logic Design	3	Digital Electronics
EGR 223 Microprocessors	3	Microprocessors
<b>Total Additional Credits</b>	<b>37</b>	

\* Excelsior College requires math courses at the level of college algebra or above. The Cyber Operations and Information Technology program includes a Statistics requirement. Depending on what the student takes at their home institution, they will need the other requirement for Excelsior College.

## Credits To Be Taken At Excelsior College \*

Excelsior College Requirements	Semester Hours
INL 102: Information Literacy	1
ELEC*331: Digital and Analog Communications	3
ELEC*306: Advanced Digital Design	3
ELEC*321: Control Systems	3
ELEC*153 Circuit Theory II	4
ELEC*307: Microcontrollers	3
ELEC*160: Electronics I	4
ELEC*161: Electronics II	4
IT*390: Project Management	3
Upper Level Tech Elective as Advised	3
ELEC*495: Capstone*	3
<i>NOTE: The Capstone MUST be completed at Excelsior</i>	
<b>Total Credits</b>	<b>34</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	54
Additional Credits Beyond the Associate Degree	37
Credits from Excelsior *	34
<b>Total Credits Required for Bachelor's Degree</b>	<b>125</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.**

## 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

The publication *Using Exams to Complete your Excelsior College Degree* shows the classification of Excelsior College and other examinations in chart form. Each exam is listed under the requirement it satisfies. You can find this publication at [www.excelsior.edu](http://www.excelsior.edu).