

**Dutchess Community College A.A.S. Electrical Technology  
to Excelsior College B.S. Electrical Engineering Technology (Electronics)**
**Revision: September 2020**

This program plan outlines how students may transfer from the **Dutchess Community College A.A.S. Electrical Technology** program to the **Excelsior College B.S. Electrical Engineering Technology** program. Upon completion of the **A.A.S. Electrical Technology**, the following credits may apply for students enrolling in the **B.S. Electrical Engineering Technology** program.

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

Dutchess CC Credits	Semester Hours	Excelsior College Requirements	Semester Hours
ENG 101: Composition I	3	Written English Requirement	3
MAT 184: Algebra and Trig for Precalculus <b>OR</b> MAT 185: Precalculus <b>OR</b> MAT 221: Calculus I <b>OR</b> MAT 222: Calculus II*	6	Math Requirement ( <i>Recc. MAT 221: Calculus I &amp; MAT 222: Calculus II</i> )	6
ELT 105: DC Circuits	3	DC Circuits Core	3
ELT 107: Intro to Prog. For Automation	3	Computer Programming Core	3
BHS 103: Social Problems in Today's World	3	Social Sciences/History Requirement	3
ENG 102: Composition II	3	Written English Requirement	3
ELT 106: AC Circuits	3	AC Circuits Core	3
ELT 108: Electronics I	3	Electronics I Core	3
ELT 115: Digital Fundamentals	3	Digital Electronics Core	3
ELT 122: Manufacturing Tools and Practices	3	N/A (Excess Credit)	0
ELT 213: Electro-Mechanical Devices	3	Technology Elective	3
ELT 218: Electronics II	3	Electronics II Core	3
PHY 121: General Physics I	4	Physics w/ Lab Requirement	4
American History Elective	3	Social Sciences/History Requirement	3
ELT 216: Automation Systems	3	Technology Elective	3
ELT 250: ELT Capstone Project	2	N/A (Excess Credit)	0
ENT 131: Technical Drawing	1	Free Elective	1
Technical Elective	3	Technology Elective	3
PHI 122: General Physics II <b>OR</b> CHE 111: Intro to Chemistry <b>OR</b> CHE 121: General Chemistry I	4	Natural Sciences Requirement	4
Free Elective (d)	3	Free Elective	3
<b>Total Credits Required for Associate</b>	<b>62</b>	<b>Total Credits Accepted from Associate</b>	<b>57</b>

\* Excelsior requires 12 credits at the level of College Algebra or above, including Calculus I and II and Differential Equations. Depending on what the student takes at the home institution, they may need to complete additional credits to meet the Excelsior College requirements.

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

Dutchess CC Credits	Semester Hours	Excelsior College Requirements
Communications Elective	3	Communications Requirement
Humanities Electives	3	Humanities Requirement
PHIL 205: Ethical Theory	3	Ethics Requirement
Social Sciences/History Electives	3	Social Sciences/History Requirement
Mathematics Elective (College Algebra or Above)	2	Mathematics Requirement (College Algebra or Above)
MAT 224: Differential Equations	4	Differential Equations Requirement <b>AND</b> Arts and Sciences Requirement
PHI 122: General Physics II <b>OR</b> CHE 111: Intro to Chemistry <b>OR</b> CHE 121: General Chemistry I**	4	Physics II OR Chemistry I Requirement

Arts & Sciences Electives	10	Arts & Sciences Requirement
Technology Electives (As Advised)	6	Technology Elective
<b>Total Additional Credits *</b>	<b>38</b>	

\*\*\*\* Excelsior requires courses in Physics I, Physics II and Chemistry I with at least one Physics lab. Depending on what the student takes at the home institution, they may need to complete additional credits to meet the Excelsior College requirements.

### Credits To Be Taken At Excelsior College \*

Excelsior College Requirements	Semester Hours
INL 102: Information Literacy ( <i>MUST be completed with Excelsior</i> )	1
IND 301: Cornerstone B (Pathways) ( <i>MUST be completed with Excelsior</i> )	3
ELEC 202: Microprocessors (Microprocessors Core)	3
IT 390: Project Management (Project Management Core)	3
ELEC 331: Digital and Analog Communications	3
IT 250: Business Data Communications	3
ELEC 206: Advanced Digital Design	3
ELEC 321: Control Systems	3
ELEC 307: Microcontrollers	3
ELEC 495: Integrated Technology Assessment Capstone ( <i>MUST be completed with Excelsior</i> )	3
<b>Total Credits</b>	<b>28</b>

\*All coursework, except where noted, may be completed at Excelsior or transferred from another accredited institution.

Evaluation Summary	Semester Hours
Credits Accepted from Associate Degree	57
Additional Credits beyond the Associate Degree	38
Credits from Excelsior *	28
<b>Total Credits Required for Bachelor's Degree</b>	<b>123</b>

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

## 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