

**Hudson Valley Community College A.A.S. Electrical Engineering Technology (Electronics)  
to Excelsior College BS Electrical Engineering Technology (Electronics)**

**Revision: February 2019**

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

<b>Hudson Valley Community College Credits</b>	<b>Semester Hours</b>	<b>Excelsior College Requirements</b>	<b>Semester Hours</b>
FORM 104: College Forum	1	N/A	0
ELET 100: Electricity I	4	Circuit Theory I	4
ELET 101: Electricity II	4	Circuit Theory II	4
ELET 105: Electronics I	4	Electronics I Core	4
ELET 120: Personal Computer Hardware Essentials	3	Free Elective	3
ELET 206: Elements of Communications Electronics	4	N/A	0
ELET 210: Digital Electronics	4	Digital Electronics Core	4
ELET 215: Operational Amplifiers	4	Electronics II Core	4
ELET 225: Electro-Mechanical Devices & Systems	4	Technology Elective	4
ELET 230: Electronic Design	1	Technology Elective	1
ELET 245: Introduction to Microcontrollers	4	Microprocessors Core	4
ENGL 101: English Composition I	3	Written English Requirement	3
ENGL 102: English Composition II	3	Written English Requirement	3
MATH 150: College Algebra with Trigonometry	4	Mathematics <b>AND</b> Arts & Sciences Requirement	4
MATH 165: Basic Calculus with Analytic Geometry	4	Calculus I <b>AND</b> Arts & Sciences Requirement	4
PHYS 135: Technical Physics I	4	Physics I with Lab Requirement	4
PHYS 136: Technical Physics II	4	Physics II with Lab Requirement	4
Technical Elective (As Advised)	4	Technology <b>AND</b> Free Elective	4
<b>Total Credits Required for Associate</b>	<b>63</b>	<b>Total Credits Accepted from Associate</b>	<b>58</b>

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

<b>Hudson Valley Community College Credits</b>	<b>Semester Hours</b>	<b>Excelsior College Requirements</b>
BADM 200: Business Communications	3	Communications Requirement
Humanities Electives	3	Humanities Requirement
MKTG 240: Business Ethics	3	Ethics Requirement
Social Sciences/History Electives	9	Social Sciences/History Requirement
MATH 190: Calculus II	4	Calculus II <b>AND</b> Arts & Sciences Requirement
MATH 220: Calculus IV: Differential Equations	4	Differential Equations <b>AND</b> Arts & Sciences Requirement
CHEM 120: Chemistry I	4	Chemistry I Requirement
ELET 115: C/C++ for Technologies	4	Computer Programming Core
Arts and Science Electives	10	Arts and Science Electives
<b>Total Additional Credits</b>	<b>44</b>	

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

<b>Excelsior College Requirements</b>	<b>Semester Hours</b>
INL 102: Information Literacy	1

IT 390: Project Management	3
ELEC 331: Electronic Communications	3
ELEC 306: Advanced Digital Design	3
ELEC 321: Control Systems	3
ELEC 307: Microcontrollers	3
IT 350: Business Data Communications	3
ELEC 495: Integrated Technology Assessment Capstone <i>NOTE: The Capstone MUST be completed at Excelsior</i>	3
<b>Total Credits</b>	<b>22</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.

<b>Evaluation Summary</b>	<b>Semester Hours</b>
Credits Accepted from Associate Degree	58
Additional Credits beyond the Associate Degree	44
Credits from Excelsior *	22
<b>Total Credits Required for Bachelor's 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.**

## 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