

**SUNY Broome A.A.S. Electrical Engineering Technology  
to Excelsior College B.S. Electrical Engineering Technology**
**Revision: March 2020**

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

SUNY Broome Credits	Semester Hours	Excelsior College Requirements	Semester Hours
EET 107: Electrical Computer Applications	1	Free Elective - Excess Credit	0
EET 111: Electrical Construction Lab	1	Free Elective - Excess Credit	0
EET 121: DC & AC Circuits and Lab	5	Circuit Theory I Core Requirement	5
EET 127: Alternate Energy Concepts and Solutions	2	Technology Elective	2
ENG 110: College Writing I	3	Written English Elective	3
MAT 130: Applied Algebra and Trigonometry or above	4	Math at level of College Algebra or above	4
EET 112: Electronic Fabrication Lab	1	Free Elective - Excess Credit	0
EET 150: Electronic Devices and Lab	4	Electronics I Core Requirement	4
EET 153: Robotics and C Programming	3	Computer Programming Core Requirement	3
ENG 150: Technical Writing <b>OR</b> ENG 220: Communicating About Ideas and Values	3	Communications Requirement	3
MAT 160: Applied Calculus I or above	4	Calculus I Requirement <i>Recc. MAT 181: Calculus I</i>	4
Social Science Elective	3	Social Science/History Elective	3
EET 247W: Energy Conversions & Automation and Lab	4	Technology Elective	4
EET 251: Electronic Circuitry and Laboratory	3	Electronics II Core Requirement	3
EET 260: Digital Electronics	3	Digital Electronics Core Requirement	3
PHY 161: Physics I - Mechanics and Heat <b>OR</b> PHY 181: Physics for Engineers & Scientists I: Mechanics and Thermodynamics	4	Physics I and Lab Requirement	4
General Education Elective	3	Arts & Sciences Elective	3
EET 230: Electronic Design Project	1	Free Elective - Excess Credit	0
EET 252W: Electronic Communications Systems and Laboratory	4	Concentration Requirement/Technology Elective	4
EET 267: Microprocessors	3	Microprocessors Core Requirement	3
EET 270: Control Systems & Robotics and Lab	4	Concentration Requirement/Technology Elective	4
<b>Total Credits Required for Associate</b>	<b>63</b>	<b>Total Credits Accepted from Associate</b>	<b>59</b>

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

SUNY Broome Credits	Semester Hours	Excelsior College Requirements
ENG 111: College Writing II	3	Written English Requirement
Humanities Electives	3	Humanities Requirement
PHIL 201: Ethics: Moral Philosophy	3	Ethics Requirement
Social Sciences/History Electives	6	Social Sciences/History Requirement
MAT 182: Calculus II	4	Calculus II Requirement
MAT 282: Differential Equations w/ Linear Algebra	4	Differential Equations Requirement
Natural Sciences	3	Natural Sciences Requirement

PHY 162: Wave Motion, Electromagnetism and Atomic Physics OR PHY 182: Physics for Engineers & Scientists II: Sound, Light, Electricity & Magnetism	4	Physics II Requirement
CHM 145: General Chemistry I	3	Chemistry I Requirement
Arts & Sciences Electives	3	Arts & Sciences Requirement
<b>Total Additional Credits *</b>	<b>36</b>	

\* Depending on what the Community College offers, some Information Technology courses may need to be taken with Excelsior College.

<b>Credits To Be Taken At Excelsior College *</b>	
<b>Excelsior College Requirements</b>	<b>Semester Hours</b>
INL 102: Information Literacy	1
IND 301: Cornerstone B (Pathways) ( <i>MUST be completed with Excelsior</i> )	3
ELEC 153: Circuit Theory II	4
IT 390: Project Management	3
Concentration Requirements	15
ELEC 495: Integrated Technology Assessment Capstone <i>NOTE: The Capstone MUST be completed at Excelsior</i>	3
<b>Total Credits</b>	<b>29</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	59
Additional Credits beyond the Associate Degree	36
Credits from Excelsior *	29
<b>Total Credits Required for Bachelor's Degree</b>	<b>124</b>

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

<b>What are Arts and Sciences?</b>
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.
<b>Humanities</b>
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
<b>Social Sciences and History</b>
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
<b>Natural Sciences and Mathematics</b>
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