

**College of Southern Maryland AAS Engineering Technology: Electronics
to Excelsior College BS Electrical Engineering Technology concentration in Nanotechnology**
Revision: March 2015

This program plan outlines how students can transfer from the **College of Southern Maryland AAS Engineering Technology: Electronics** program to the **Excelsior College BS Electrical Engineering Technology concentration in Electronics** program. Upon completion of the **AAS Engineering Technology: Electronics**, the following credits will apply for students enrolling in the **BS Electrical Engineering Technology concentration in Electronics** program.

College of Southern Maryland Credits	Semester Hours	Excelsior College Requirements	Semester Hours
EGT 1015: Exploring Engineering Technology	3	Free Elective	3
ELT 1015: Basic Electronics	4	Circuit Theory I and 1 core Lab	4
ENG 1010: Composition and Rhetoric	3	Written English (3 of 6 credits)	3
ITS 1015: The Information Age: Emerging Technologies	3	Free Elective	3
Mathematics (MTH 1120: College Algebra or higher)	6	6 credits in Math at the level of College Algebra and above	6
ELT 1030: Semiconductors	3	Electronics I and 1 core Lab	3
ELT 2020: Computer Circuits	4	Digital Electronics and 1 core Lab	4
ENG 2050: Business and Technical Writing	3	Communications	3
PHY 1010: Fundamentals of Physics I	3	Duplicates but does not meet Physics I requirement	0
PHY 1010L: Fundamentals of Physics I Lab	1	Duplicates but does not meet Physics Lab requirement	0
ELT 2015: Analog Electronic Circuits	3	Electronics II and 1 core Lab	3
Arts/Humanities	3	Arts & Science Elective	3
Communication (take any except COM 1450)	3	Humanities	3
Social/Behavioral Sciences	3	Social Sciences/History	3
CHE 1200: General Chemistry I	3	Natural Science	3
CHE 1200L: General Chemistry I Lab	1	Natural Science	1
EGT 2910: Cooperative Education I: Engineering Technology	3	Free Elective (not applicable toward BS requirements)	0
ELT 2030: Communication Circuits	4	Duplicates but does not meet Electronic Communication concentration requirement	0
ITS 2750: Computer Architecture	4	Technology Elective	4
Total Credits Required for Associate's	60	Total Credits Accepted From Associate's	49

* Excelsior College requires credits in both College Algebra at the level of Pre-Calculus or above and Statistics. Depending on what the student takes at their home institution, they will need the other requirement for Excelsior College.

* Acceptable CSM communication courses - COM 1010: Basic Principles of Speech Communication, COM 1250: Introduction to Interpersonal Communication, COM 1350: Intercultural Communication, or COM 1450: Groups, Teams and Leadership

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

College of Southern Maryland Credits	Semester Hours	Excelsior College Requirements
ENG 1020 Composition & Literature	3	Written English
PHL 1430 Business Ethics	3	Ethics
MTH 1200 Calculus I and Analytic Geometry	4	Calculus I
MTH 1210 Calculus II	4	Calculus II
MTH 2210 Differential Equations	4	Differential Equations
Social Science and History	6	Social Science and History
PHY 1210 General Engineering Physics I	3	Physics I
PHY 1210L General Engineering Physics I Lab	1	Physics I Laboratory
PHY 2200 General Engineering Physics II	3	Physics II
Arts & Science Electives	4	Arts & Science Electives
ITS 1390 Programming Concepts for Engineering	4	Computer Programming
Total Additional Credits	39	

* Excelsior College requires credits in both College Algebra at the level of Pre-Calculus or above and Statistics. 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 153 Circuit Theory II	4
ELEC 202 Microprocessors	4
ELEC 305 Introduction to Nanotechnology	3
ELEC 310 Basic Nanofabrication Process	3
ELEC 410 Nanotechnology Process Equipment	3
ELEC 415 Introduction to Nanofabrication Manufacturing Technology	3
ELEC 420 Micro-Electro-Mechanical Systems	3
IT 390 Project Management	3
Technology Electives	6
ELEC 495: Integrated Technology Assessment*	3
Total Credits	36

* 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's Degree	49
Additional Credits Beyond the Associate's Degree	39
Credits from Excelsior *	36
Total Credits Required for Bachelor's 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.