

**College of Southern Maryland AAS Energy Systems Technology,
Instrumentation and Control/Electrical concentration
to Excelsior College BPS Technology Management, Renewable Energy**

Revision: June 2018

This program plan outlines how students can transfer from the **College of Southern Maryland AAS Energy Systems Technology, Instrumentation and Control/Electrical concentration** program to the **Excelsior College BPS Technology Management, Renewable Energy** program. Upon completion of the **AAS Energy Systems Technology, Instrumentation and Control/Electrical concentration**, the following credits will apply for students enrolling in the **BPS Technology Management, Renewable Energy** program.

College of Southern Maryland Credits	Semester Hours	Excelsior College Requirements	Semester Hours
CHE1050: Introductory Chemistry	3	Natural Sciences	3
ELT1010: DC Electronics	3	Concentration (DC Theory)	3
ENG1010: Composition and Rhetoric	3	Written English	3
MTH1011: Mathematics for Technologies I	4	Mathematics Elective	4
Arts / Humanities	3	Humanities Elective	3
ELT1020: AC Electronics	3	Concentration (AC Theory)	3
ENE1035: Discrete Control Systems	3	Concentration (Applied Instrumentation and Control)	3
ENE1040: Basic Power Plant Principles	3	Additional Credit Component	3
MTH1012: Mathematics for Technologies II	3	Mathematics Elective	3
PHY1010: Fundamentals of Physics I	3	Additional Credit Component	3
ENE1030: Motors, Generators, and Industrial Electrical Systems	3	Additional Credit Component	3
ENE2010: Boiler, Reactor, and Turbine Principles	3	Additional Credit Component	3
ELT1030: Semiconductors	3	Additional Credit Component	3
ELT2022: Computer Logic and Programmable Logic Controllers	4	Computer Applications Core	4
ENE2020: Thermodynamics and Heat Exchanges	3	Additional Credit Component	3
ENE2030: Measurement Theory	3	Additional Credit Component	3
ENE2070: Process Control and Communications	3	Additional Credit Component	3
ELT2017: Operational Amplifiers and Introduction to Communications	4	Additional Credit Component	4
Social / Behavioral Sciences	3	Social Sciences Elective	3
Total Credits Required for Associate	60	Total Credits Accepted from Associate	60

* 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.

** Students also have the option to choose one of the other concentrations offered at Excelsior College: electrical technology, information technology, or nuclear technology. See an advisor about other concentrations, degree requirements to be taken at Excelsior will vary based on concentration declared.

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

College of Southern Maryland Credits	Semester Hours	Excelsior College Requirements
ENG1020: Composition and Literature	3	Written English
ITS2300: Introduction to Project Management	3	Project Management Core
BAD1210: Principles of Management	3	General Management Core
ACC2010: Principles of Accounting I	3	Accounting Core
SOC2010: Technology and Society	3	Technology and Society Core
General Education Electives**	9	Arts and Sciences
Total Additional Credits	24	

* 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.

** May be taken from any areas of humanities, social sciences, history, natural sciences, math, business or any approved free elective area. It is recommended to work with an academic advisor when choosing the course for transferability.

Credits To Be Taken At Excelsior College *

Excelsior College Requirements	Semester Hours
INL 102: Information Literacy	1
TECH340: Introduction to Energy Utilization	3
TECH250: Renewable Energy Overview I	3
TECH251: Renewable Energy Overview II	3
Upper Level Ethics	3
Upper Level Humanities	3
Upper Level Social Sciences / History	3
Upper Level Free Elective (excess arts and sciences, business or any approved free elective area)	6
BUS452: Business Leadership	3
TECH330: Economic Analysis for Technologies	3
Professional Component Electives	2
TECH490: Technology Management Capstone: Integrated Technology Assessment (Capstone) <i>NOTE: The Capstone MUST be completed at Excelsior</i>	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 Degree	60
Additional Credits beyond the Associate Degree	24
Credits from Excelsior *	36
Total Credits Required for Bachelor's Degree	120

* 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.

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