

**Montgomery College A.S. Electrical Engineering  
to Excelsior College B.S. Electrical Engineering Technology with a concentration in Electronics**

**Revision: JULY 2013**

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

<b>Montgomery College Credits</b>	<b>Semester Hours</b>	<b>Excelsior College Requirements</b>	<b>Semester Hours</b>
CH 135: General Chemistry for Engineers	4	Natural Science/Math elective	4
EN 102: Techniques of Reading and Writing II	3	Written English	3
ES 100: Introduction to Engineering Design	3	Free Elective	3
EE 140: Introduction to Programming Concepts for Engineers	2	Technology Elective	2
MA 181: Calculus I	4	Calculus I	4
EE 150: Intermediate Programming Concepts for Engineers	3	Computer Programming	3
EE 244: Digital Logic Design	3	Digital Electronics	3
MA 182: Calculus II	4	Calculus II	4
PH 161: General Physics	3	Physics I	3
Behavioral and Social Sciences Distribution	3	Social Science/History	3
Health Foundation	1	Free Elective	1
EE 222: Elements of Discrete Signal Analysis	4	Technology Elective and Traditional Lab	4
MA 280: Multivariable Calculus	4	Arts and Science Electives	4
PH 262: General Physics II	4	Physics II and Physics Lab	4
Arts Distribution	3	Humanities	3
Humaities	3	Humanities	3
EE 207: Electric Circuits	4	Circuit Theory I	4
EE 245: Digital Circuits and Systems Laboratory	2	Technology Elective and Traditional Core Lab	2
MA 282: Differential Equations	3	Differential Equations	4
PH 263: General Physics III	4	Arts and Science Electives	4
Behavioral and Social Sciences Distribution	3	Social Science/History	3
<b>Total Credits Required for Associate's</b>	<b>67</b>	<b>Total Credits Accepted From Associate's</b>	<b>68</b>

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

<b>Montgomery College Credits</b>	<b>Semester Hours</b>	<b>Excelsior College Requirements</b>
EN 101: Techniques of Reading & Writing I	3	Written English
SP 108: Human Communication or SP 112: Business and Professional Speech Communication	3	Communications
Social Science/History Electives	3	Social Science/History
PL 202: Intro to the Study of Ethics	3	Ethics
Arts and Sciences Electives	2	Arts and Sciences Electives
Any college level credit	2	Free Electives
<b>Total Additional Credits</b>	<b>16</b>	

Credits To Be Taken At Excelsior College *	
Excelsior College Requirements	Semester Hours
ELEC*153: Circuit Theory II	4
ELEC 160: Electronics I	4
ELEC 161: Electronics II	4
ELEC 202: Microprocessors	4
IT 390: Project Management	3
ELEC 331: Digital and Analog Communications	3
ELEC 306: Advanced Digital Design	3
IT 350: Business Data Communications	3
ELEC 321: Control Systems	3
ELEC 307: Microcontrollers	3
Technology Electives	2
ELEC 495: Integrated Technology Management <i>The Capstone <b>MUST</b> be completed at Excelsior</i>	<i>Note:</i> 3
INL 102: Informtaion Literacy	1
<b>Total Credits</b>	<b>40</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.

Evaluation Summary	Semester Hours
Credits Accepted from Associate's Degree	68
Additional Credits Beyond the Associate's Degree	16
Credits from Excelsior *	40
<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.**