



**AAS in Electrical/Electronic Controls Technology to  
Online BAAS  
Guided Pathway  
2017-2018 Catalog**

**First Year – Tyler Junior College**

FIRST SEMESTER		SECOND SEMESTER	
TECM 1303 – Technical Calculations		ELPT 1325 – National Electrical Code I	
IEIR 1302 – Introduction to Direct Current Circuits		IEIR 1304 – Alt. Current Circuits for Industrial Applications	
CETT 1321 – Electronic Fabrication		CETT 1325 – Digital Fundamentals	
C <sup>c</sup> ECON 2301 – Principles of Macroeconomics * (080)		C <sup>c</sup> ENGL 2311 – Technical & Business Writing (090)	
C <sup>c</sup> ENGL 1301 – Composition I (010)		Total semester hours: 12	
Total semester hours: 15			
SUMMER I			
IEIR 2388 – Internship – Industrial Electronics Technology/Technician *			
Total semester hours: 3			

**Second Year – Tyler Junior College**

It's best to apply to Midwestern State University a full semester before you plan to transfer. It will help if you submit a copy of this pathway with your application.

FIRST SEMESTER		SECOND SEMESTER	
ELPT 2305 – Motors and Transformers		ELPT 1345 – Commercial Wiring	
INCR 1302 – Physics of Instrumentation		ELPT 2347 – Electrical Testing and Maintenance	
INTC 1341 – Principles of Automatic Control		ENER 2325 – SCADA and Networking	
ELPT 2319 – Programmable Logic Controllers I		C <sup>c</sup> SPCH 1321 – Business & Prof. Communication (010) *	
C <sup>c</sup> MATH 1314 – College Algebra (020) *		C <sup>c</sup> PHIL 2306 – Introduction to Ethics (040)	
Total semester hours: 15		Total semester hours: 15	

**AAS: Electrical/Electronic Controls Technology**

You will need to apply for the associate's degree at your community college. Contact your advisor there for more information.

**Third Year - Midwestern State University Online BAAS**

FIRST SEMESTER		SECOND SEMESTER	
ENGL 1302 (or Communications II Core)		Any Computer Science Proficiency Course	
Any Physical/Life Science Core		Any Physical/Life Science Core	
HIST 1133 (American History I)		HIST 1233 (American History II)	
POLS 1333 (GOVT 2305-Federal Govt)		POLS 1433 (GOVT 2306-Texas Govt)	
Cultural & Global Understanding		Undergraduate Inquiry & Creativity	
Any Creative Arts Core			

**Fourth Year – Midwestern State University Online BAAS**

FIRST SEMESTER		SECOND SEMESTER	
Select Concentration Courses with Advisor		Select Concentration Courses with Advisor	
Select Concentration Courses with Advisor		Select Concentration Courses with Advisor	
Select Concentration Courses with Advisor		Select Concentration Courses with Advisor	
Select Concentration Courses with Advisor		Select Concentration Courses with Advisor	
Select Concentration Courses with Advisor		Select Concentration Courses with Advisor	
Select Concentration Courses with Advisor		BAAS 4113, Capstone Project	

**This is not an official degree plan. Check with an advisor; degree plans may change in later catalogs.** Part-time students may also follow this sequence. Developmental coursework may be required.

\* You may take a different course to meet this requirement. A specific list is available from your advisor.

<sup>c</sup> This course counts for the Core Curriculum at any public college or university in Texas.

(j) Course numbers shown in parentheses are equivalent to these courses at Midwestern State University.

For questions about the University portion of this guided pathway,  
Contact the Academic Advising Office (940) 397-4400 or [www.mwsu.edu/baas](http://www.mwsu.edu/baas).