



**AAS in Electrical/Electronic Controls Technology to  
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
ⒸECON 2301 – Principles of Macroeconomics * (080)	ⒸENGL 2311 – Technical & Business Writing (090)
Ⓒ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 Texas A&M University-Commerce a full semester before transfer ring and 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	ⒸSPCH 1321 – Business & Prof. Communication (010) *
ⒸMATH 1314 – College Algebra (020) *	Ⓒ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 Courses - Texas A&M University-Commerce**

FIRST SEMESTER	SECOND SEMESTER
Ⓒ HIST 1301 - U.S. History to 1877	Ⓒ HIST 1302 - U.S. History from 1865
Ⓒ PSCI 2301 - Principles of US and Texas Government <sup>2</sup>	Ⓒ PSCI 2302 - US/TX Government; Institutions & Policies <sup>2</sup>
Ⓒ ANY CREATIVE ARTS CORE	Ⓒ ANY LIFE & PHYSICAL SCIENCE CORE
Ⓒ ANY LIFE & PHYSICAL SCIENCE CORE	Ⓒ ANY DEGREE PATHWAY OPTION
BAAS 301 Principles of Applied Sciences	BAAS 326 Tech Techniques & Solutions

**Fourth Year Courses - Texas A&M University-Commerce**

FIRST SEMESTER	SECOND SEMESTER
TMGT 458 Project Management	TMGT 350 Principles of Technology Management
BAAS 345 Leadership Techniques	BAAS 445 Ethical Decision Making
BAAS 408 Advanced Problem Solving (Pre-Req BAAS 326)	Upper Level Elective
BAAS 351 Financial Tools for Mangers (Pre Req BAAS 326)	Upper Level Elective
BAAS 443 Professional Standards	TMGT 303 Technical Communications

**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 and does not count toward degree hours.

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

Ⓒ This course counts for the Core Curriculum at any public college or university in Texas. Sometimes, taking a specific course to meet a Core requirement will also fulfill other requirements for your degree. If this course meets more than one requirement it is listed as the correct option (with no asterisk).

<sup>2</sup>Taking both GOVT courses at a TJC creates a better alignment.

( ) Course numbers shown in parentheses are equivalent to these courses at TAMUC.

For questions about the University portion of this guided pathway, contact the Applied Science Academic Advising Office at (903) 886-5155 or [Misty.Lair@tamuc.edu](mailto:Misty.Lair@tamuc.edu).